

U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Toyota EDR Data from NHTSA

Pre-Crash Field Inspections

January 2011

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Technical Report Documentation Page

1. Report No.	2. Government Accession No.	3. Recipient's Catalog No.
NHTSA-NVS-2011-ETC-SR12		

4. Title and Subtitle	5. Report Date
Toyota EDR Data from NHTSA Pre-Crash Field Inspections	January 2011
	6. Performing Organization Code: NVS
7. Author(s)	8. Performing Organization Report No.: NHTSA-NVS-2011-ETC-SR12
9. Performing Organization Name and Address: U.S. Department of Transportation National Highway Traffic Safety Administration 1200 New Jersey Ave., S.E. Washington, DC 20590	10. Work Unit No. (TRAIS)
	11. Contract or Grant No.
12. Sponsoring Agency Name and Address: National Highway Traffic Safety Administration 1200 New Jersey Ave., S.E. Washington, DC 20590	13. Type of Report and Period Covered
	14. Sponsoring Agency Code

15. Supplementary Notes

This report provides supplementary information to NHTSA Report No. NHTSA-NVS-2011-ETC, "Technical Assessment of Toyota Electronic Throttle Control (ETC) Systems," January 2011.

In 2010, NHTSA conducted a series of 58 field inspections of recent crashes involving Toyota vehicles involving allegations of unintended acceleration (UA). Historically, NHTSA's UA field inspections relied solely on the documentation of the vehicle and scene physical conditions, as well as the vehicle service/warranty history and testimony from involved parties. As various manufacturers have installed event data recorders (EDRs) in their vehicles and made available devices to read those recorders, NHTSA has incorporated them into its field inspections and crash investigations. This report provides the EDR data from the 58 field inspections.

16. Abstract

17. Key Words	18. Distribution Statement
Sudden acceleration, unintended acceleration, electronic throttle control, "Silver Book,"	

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price
Unclassified	Unclassified		

Form DOT F 1700.7 (8-72)

Case 1

Vehicle MY - Model: 2007 Camry

Incident Location: Parking Space

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Turning to pull into a parking space; Intrusion into building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 1 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

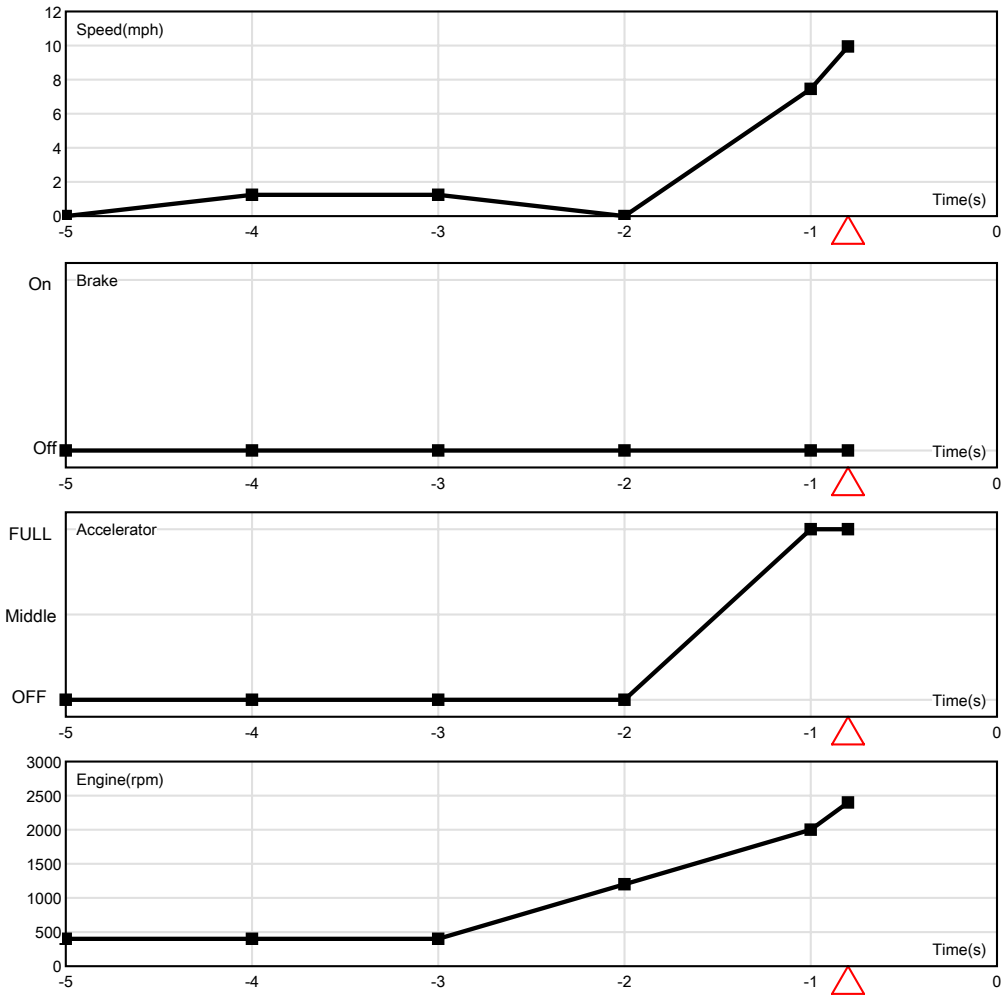
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	
	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0
	0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: NoLevel
Seat Position	: RM
Shift Position	: Other
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	1.2	1.2	0.0	7.5	9.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	400	400	400	1200	2000	2400(rpm)

Time from Last PreCrash Data : 200(ms)

Case 1 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

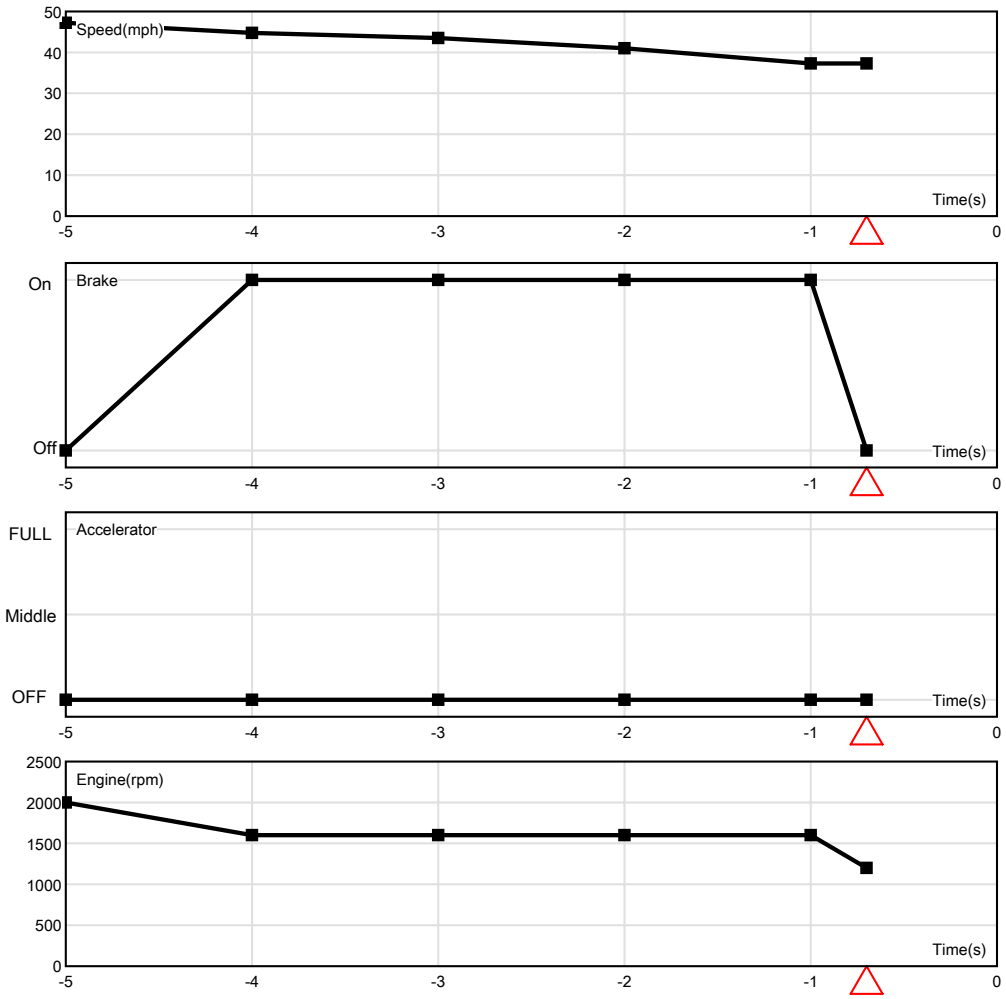
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0
	0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: Child
Seat Position	: RM
Shift Position	: Other
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	47.2	44.7	43.5	41.0	37.3	37.3(mph)
Brake	:	OFF	ON	ON	ON	ON	OFF
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	2000	1600	1600	1600	1600	1200(rpm)

Time from Last PreCrash Data : 300(ms)

Case 1 Complete EDR Image

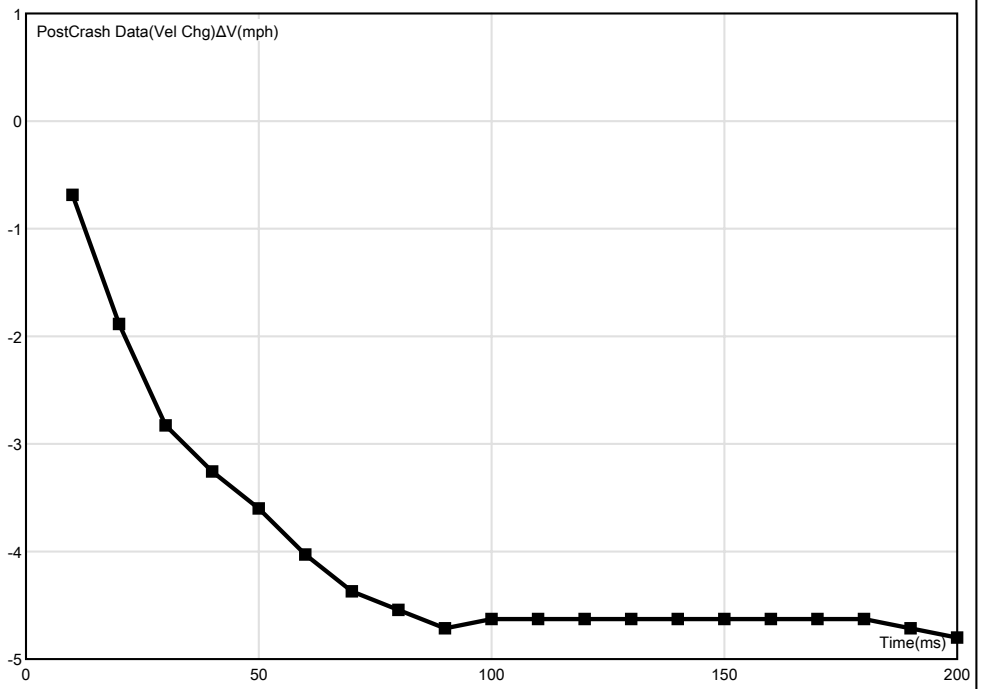
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: -5.5(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	-0.7
20	-1.9
30	-2.8
40	-3.3
50	-3.6
60	-4.0
70	-4.4
80	-4.5
90	-4.7
100	-4.6
110	-4.6
120	-4.6
130	-4.6
140	-4.6
150	-4.6
160	-4.6
170	-4.6
180	-4.6
190	-4.7
200	-4.8

Case 1 Complete EDR Image

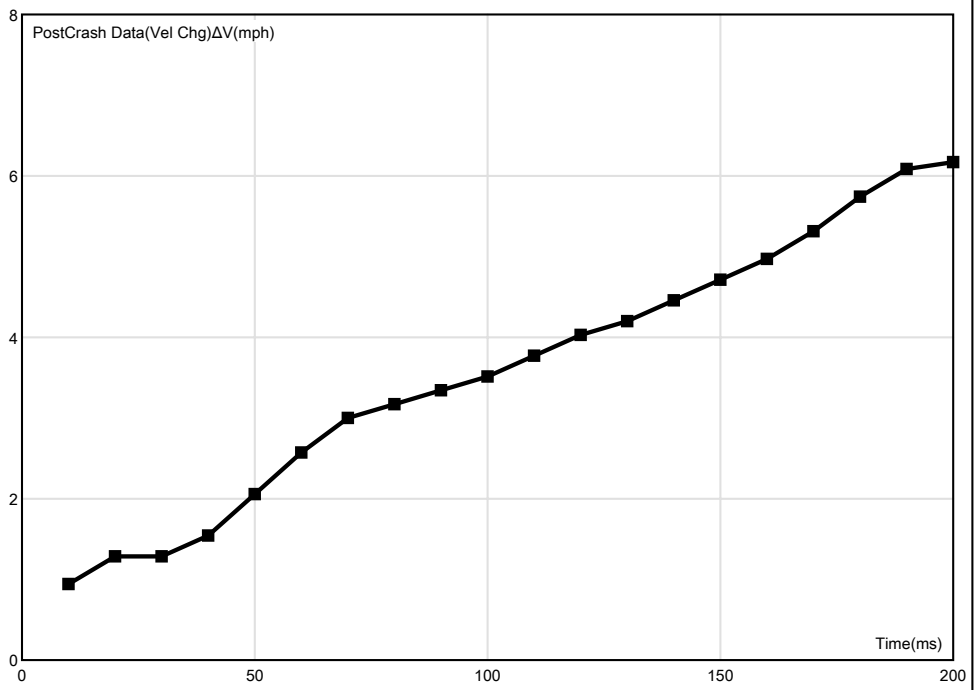
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 5.1(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

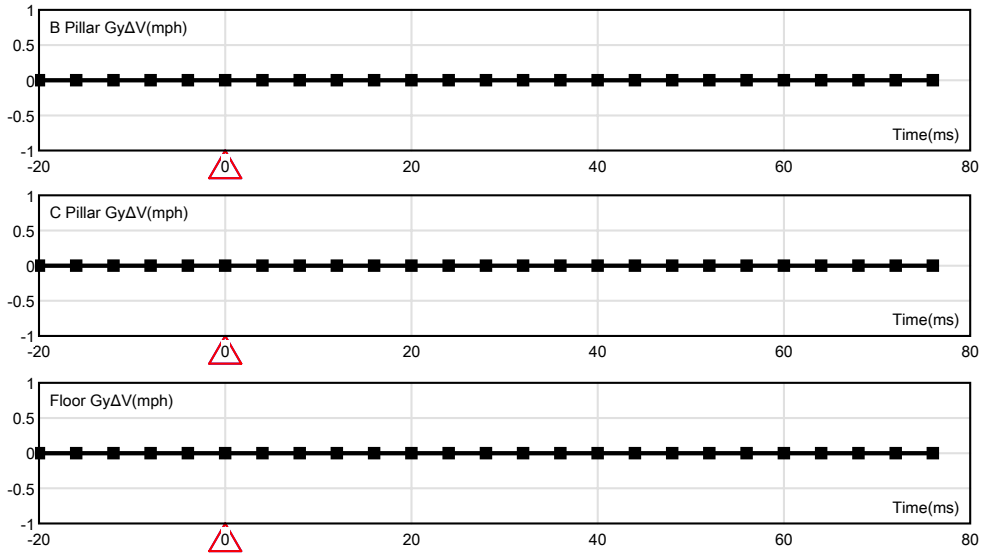
Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	1.3
30	1.3
40	1.5
50	2.1
60	2.6
70	3.0
80	3.2
90	3.3
100	3.5
110	3.8
120	4.0
130	4.2
140	4.5
150	4.7
160	5.0
170	5.3
180	5.7
190	6.1
200	6.2

Case 1 Complete EDR Image

Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

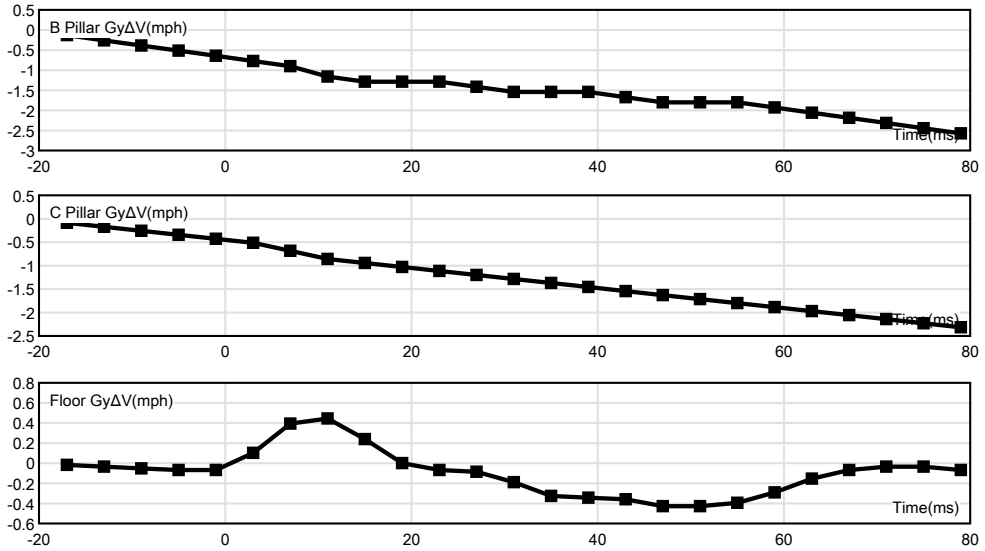
Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 1 Complete EDR Image

Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.1

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	-0.1	-0.1	-0.0
-13	-0.3	-0.2	-0.0
-9	-0.4	-0.3	-0.1
-5	-0.5	-0.3	-0.1
-1	-0.6	-0.4	-0.1
3	-0.8	-0.5	0.1
7	-0.9	-0.7	0.4
11	-1.2	-0.9	0.4
15	-1.3	-0.9	0.2
19	-1.3	-1.0	0.0
23	-1.3	-1.1	-0.1
27	-1.4	-1.2	-0.1
31	-1.5	-1.3	-0.2
35	-1.5	-1.4	-0.3
39	-1.5	-1.5	-0.3
43	-1.7	-1.5	-0.4
47	-1.8	-1.6	-0.4
51	-1.8	-1.7	-0.4
55	-1.8	-1.8	-0.4
59	-1.9	-1.9	-0.3
63	-2.1	-2.0	-0.2
67	-2.2	-2.1	-0.1
71	-2.3	-2.1	-0.0
75	-2.4	-2.2	-0.0
79	-2.6	-2.3	-0.1

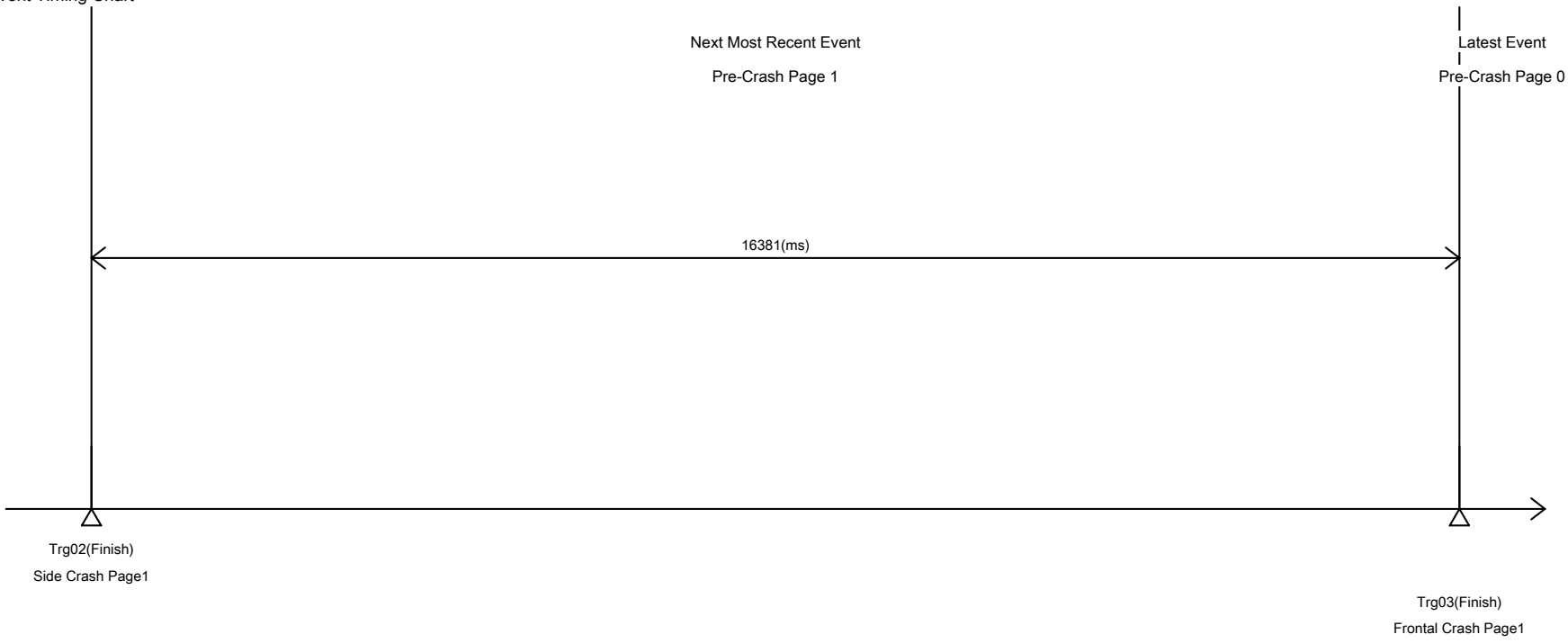
Case 1 Complete EDR Image

Entire Event Graph

Entire Event Table FinishWritingMode WritingMode ErrorMode

Event	PreCrashPage	Trigger	CrashPage & Deployment	Time	PreviousEvent	TimingChart
Unknown Events	Page0	Trg01(Finish)	Frontal Crash Page0	0(ms)	No Event	-
Next Most Recent Event	Page1	Trg02(Finish)	Side Crash Page1	0(ms)	No Event	OnChart
Latest Event	Page0	Trg03(Finish)	Frontal Crash Page1	0(ms)	No Event	OnChart

Entire Event Timing Chart



Case 2

Vehicle MY - Model: 2010 Camry

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: Started the vehicle and after placing foot on brake and placing the vehicle in Drive, the vehicle had a sudden acceleration

Incident Synopsis: Shifted into Drive, struck curb, parking logs

Observation: EDR Pre-Crash Data Indicate: Both accelerator and brake being applied

See Page 1

Case 2 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa
Accident Date	: [redacted]2010
Vehicle	: [redacted] camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

System Information

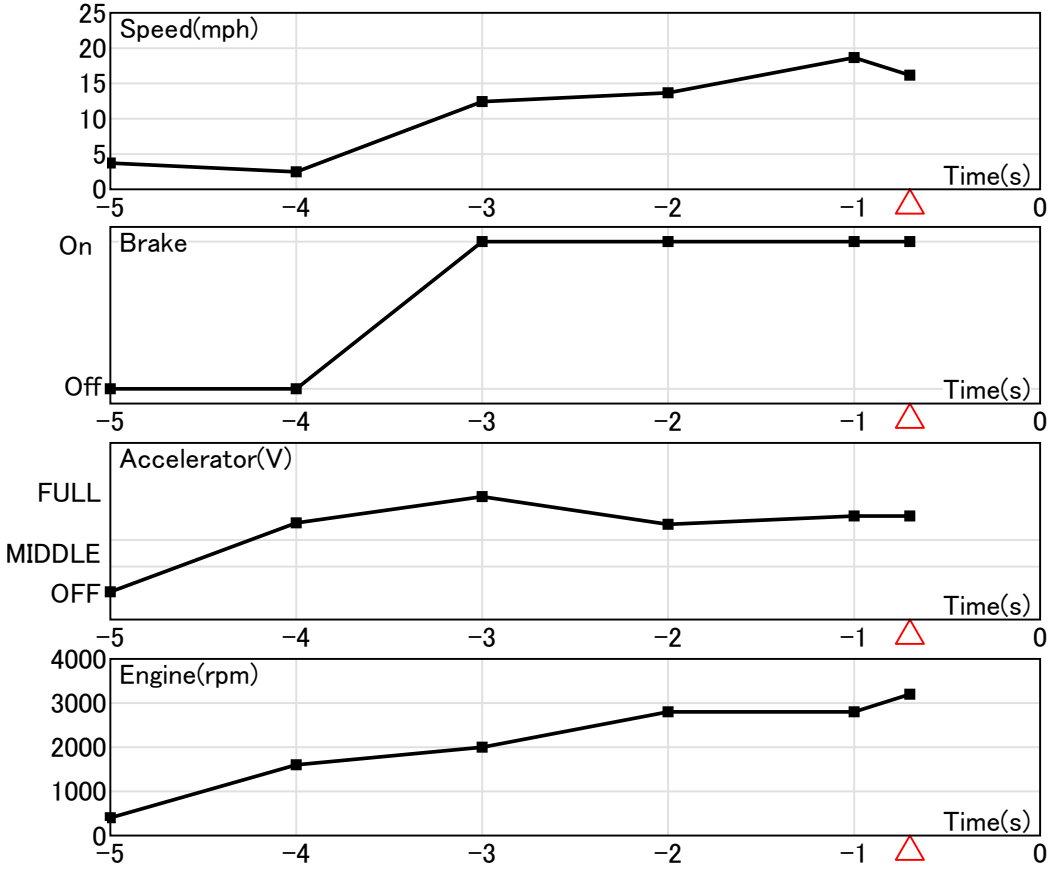
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	3.7	2.5	12.4	13.7	18.6	16.2(mph)
Brake	:	OFF	OFF	ON	ON	ON	ON
Accelerator	:	0.78	2.73	3.48	2.70	2.93	2.93(V)
		OFF	FULL	FULL	FULL	FULL	FULL
Engine	:	400	1600	2000	2800	2800	3200(rpm)

Time from Last PreCrash Data : 300(ms)

Case 2 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

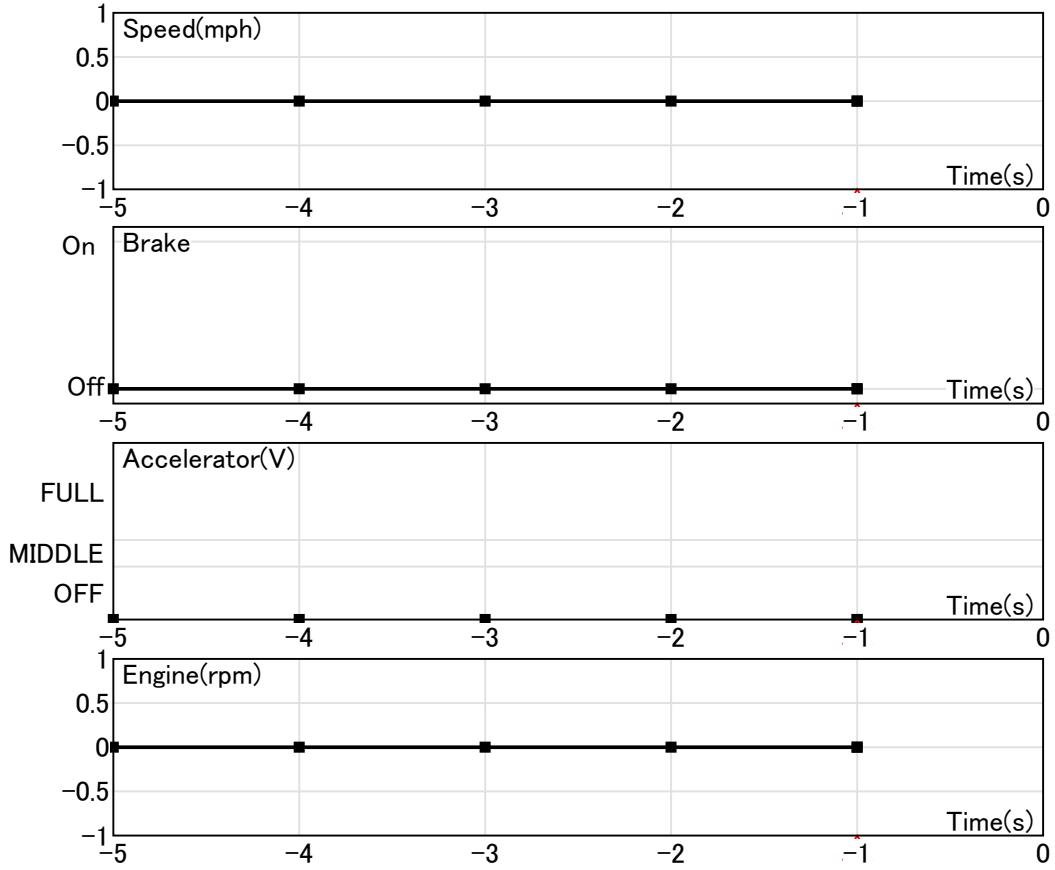
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: aa
Accident Date	: [redacted] 2010
Vehicle	: [redacted] camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 2 Complete EDR Image

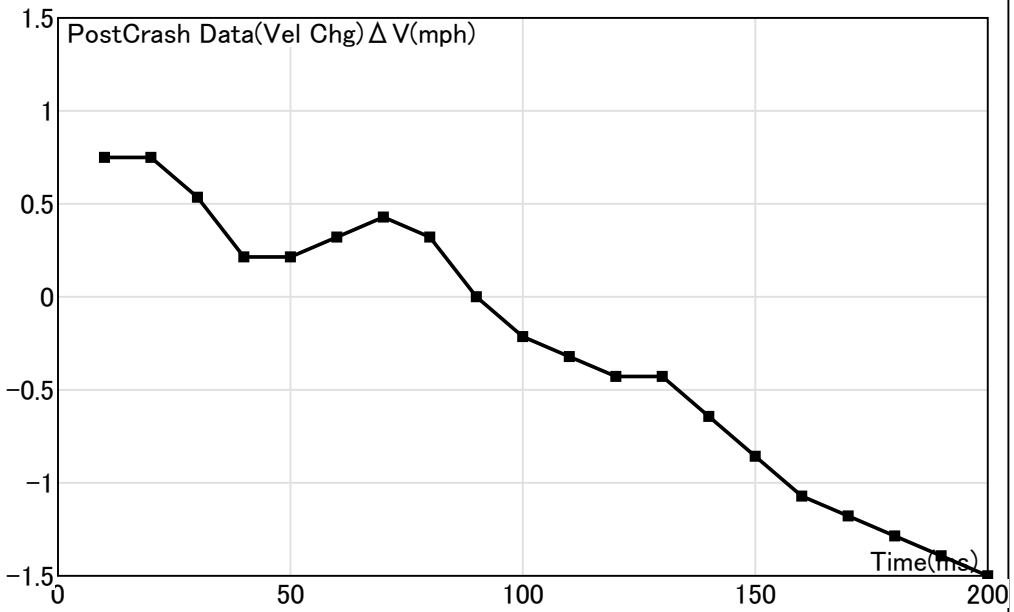
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa
Accident Date	: [redacted]2010
Vehicle	: [redacted] camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 8(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.7
20	0.7
30	0.5
40	0.2
50	0.2
60	0.3
70	0.4
80	0.3
90	0.0
100	−0.2
110	−0.3
120	−0.4
130	−0.4
140	−0.6
150	−0.9
160	−1.1
170	−1.2
180	−1.3
190	−1.4
200	−1.5

Case 2 Complete EDR Image

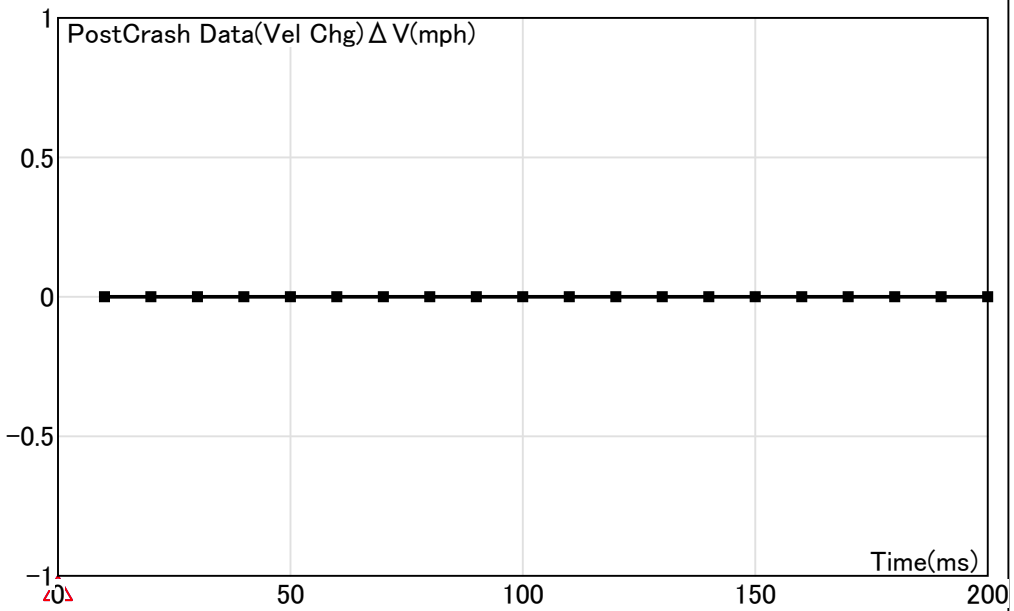
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 2 Complete EDR Image

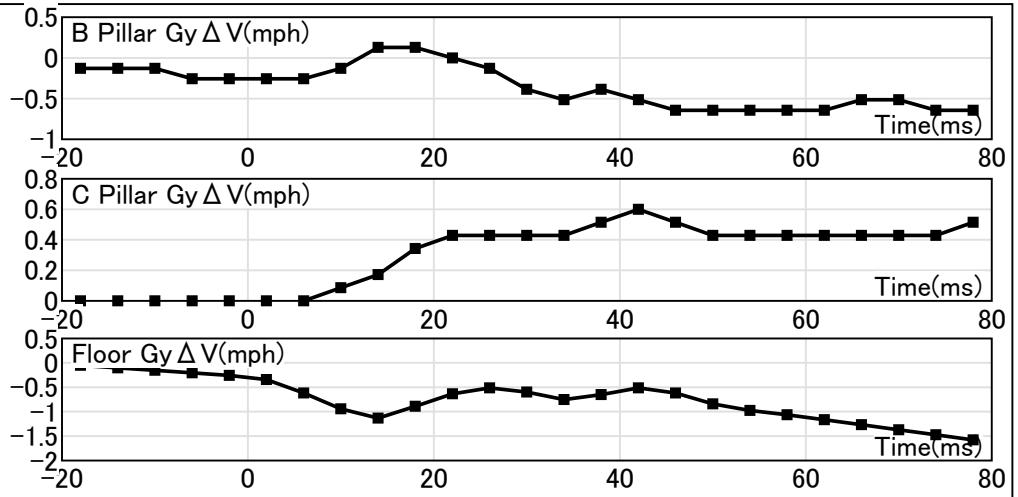
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	-0.1	0.0	-0.1
-14	-0.1	0.0	-0.1
-10	-0.1	0.0	-0.2
-6	-0.3	0.0	-0.2
-2	-0.3	0.0	-0.3
2	-0.3	0.0	-0.3
6	-0.3	0.0	-0.6
10	-0.1	0.1	-0.9
14	0.1	0.2	-1.1
18	0.1	0.3	-0.9
22	0.0	0.4	-0.6
26	-0.1	0.4	-0.5
30	-0.4	0.4	-0.6
34	-0.5	0.4	-0.8
38	-0.4	0.5	-0.7
42	-0.5	0.6	-0.5
46	-0.6	0.5	-0.6
50	-0.6	0.4	-0.8
54	-0.6	0.4	-1.0
58	-0.6	0.4	-1.1
62	-0.6	0.4	-1.2
66	-0.5	0.4	-1.3
70	-0.5	0.4	-1.4
74	-0.6	0.4	-1.5
78	-0.6	0.5	-1.6

Case 2 Complete EDR Image

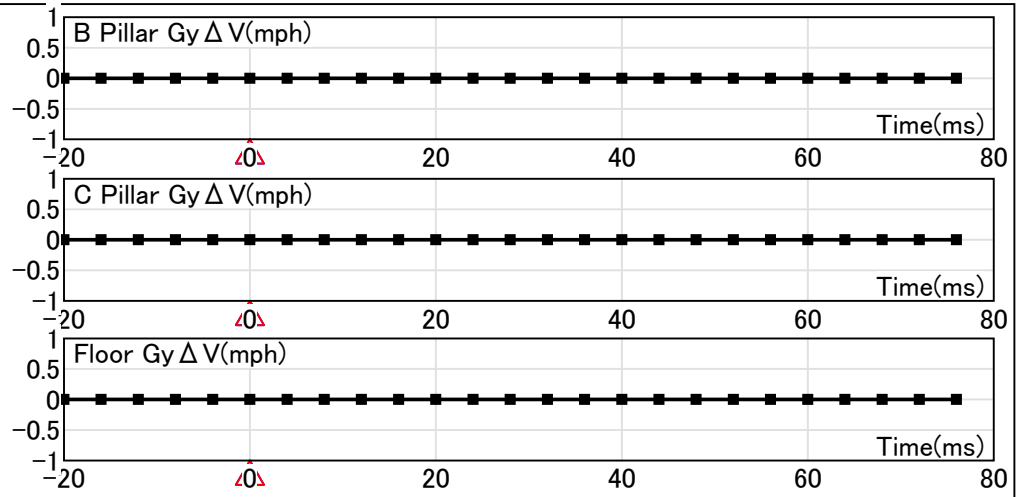
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa
Accident Date	: [redacted]2010
Vehicle	: [redacted] camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 3

Vehicle MY - Model: 2007 RAV4

Incident Location: Roadway / Intersection

Inspection Prompted by: Complainant stated: Unintentional acceleration while driving home from work, the car sped out of control, I was unable to stop the vehicle because both the brake and gas pedals were compressed. Finally crashed into a brick wall to stop the car

Incident Synopsis: Vehicle was driving in local traffic; Traversed intersection, struck wall

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Case 3 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

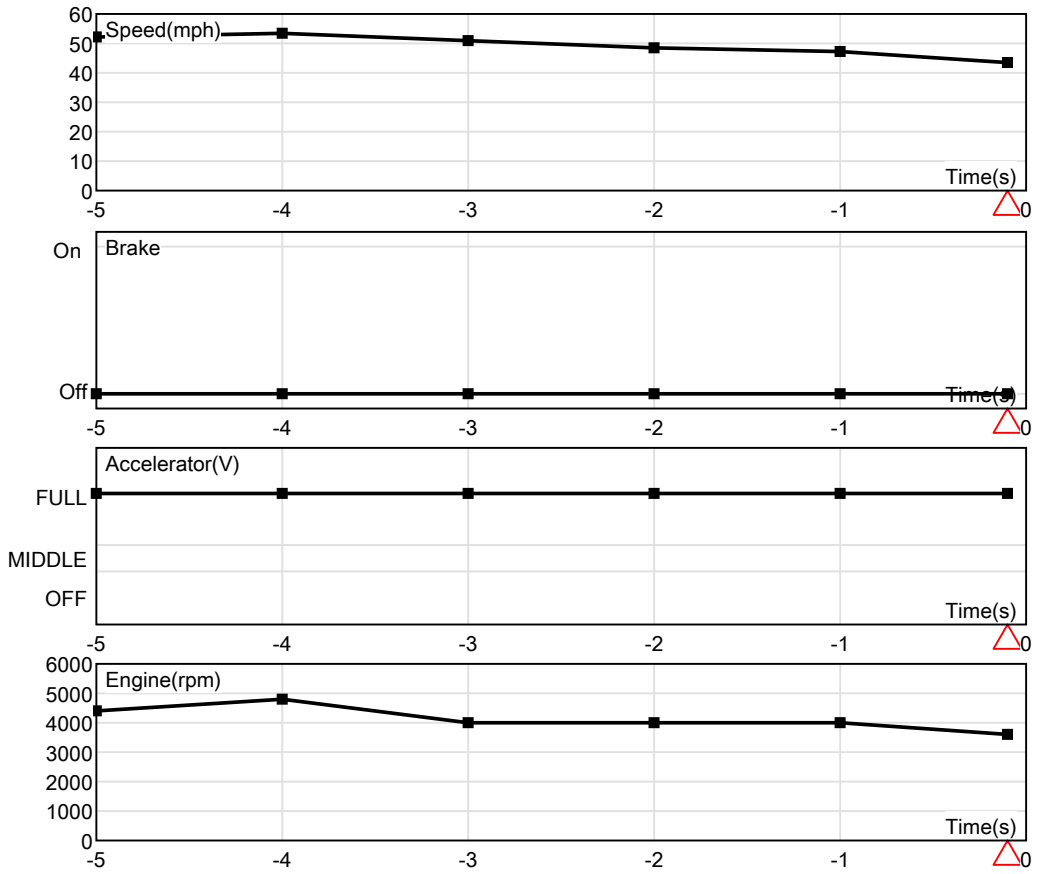
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	52.2	53.4	51.0	48.5	47.2	43.5(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.71 FULL	3.71 FULL	3.71 FULL	3.71 FULL	3.71 FULL	3.71(V) FULL
Engine	:	4400	4800	4000	4000	4000	3600(rpm)

Time from Last PreCrash Data : 900(ms)

Case 3 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

System Information

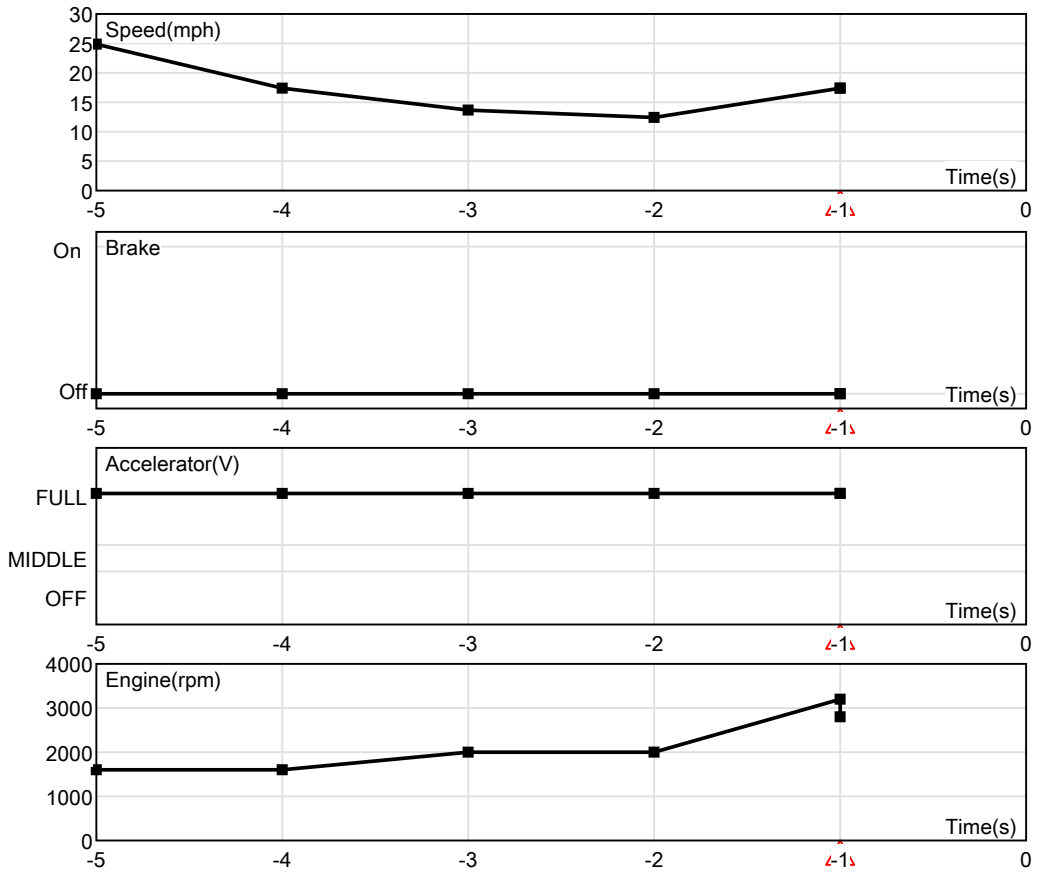
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 9167(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	24.9	17.4	13.7	12.4	17.4	17.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.71	3.71	3.71	3.71	3.71	3.71(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	1600	1600	2000	2000	3200	2800(rpm)

Time from Last PreCrash Data : 0(ms)

Case 3 Complete EDR Image

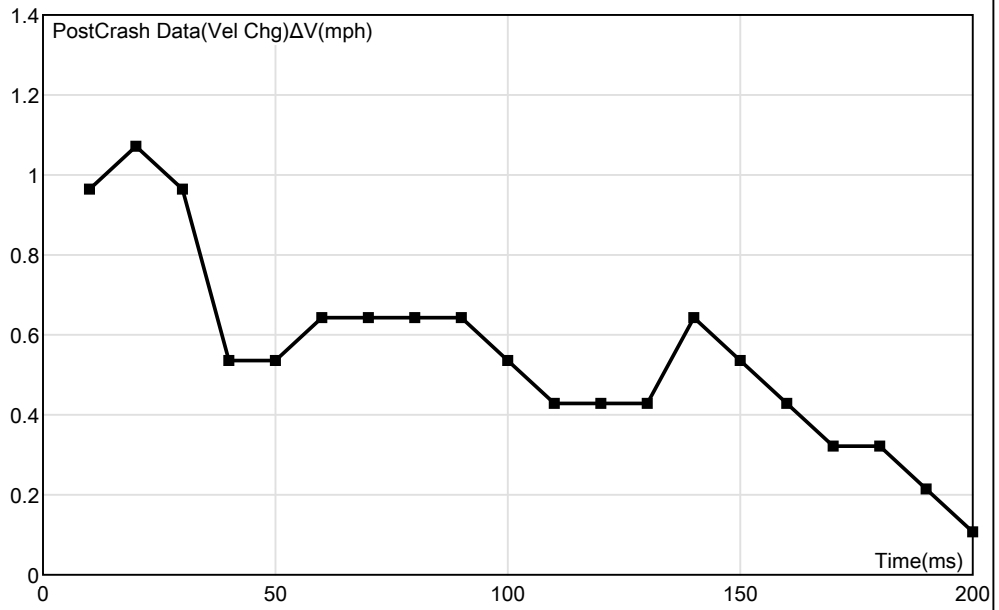
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 15(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 1(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.0
20	1.1
30	1.0
40	0.5
50	0.5
60	0.6
70	0.6
80	0.6
90	0.6
100	0.5
110	0.4
120	0.4
130	0.4
140	0.6
150	0.5
160	0.4
170	0.3
180	0.3
190	0.2
200	0.1

Case 3 Complete EDR Image

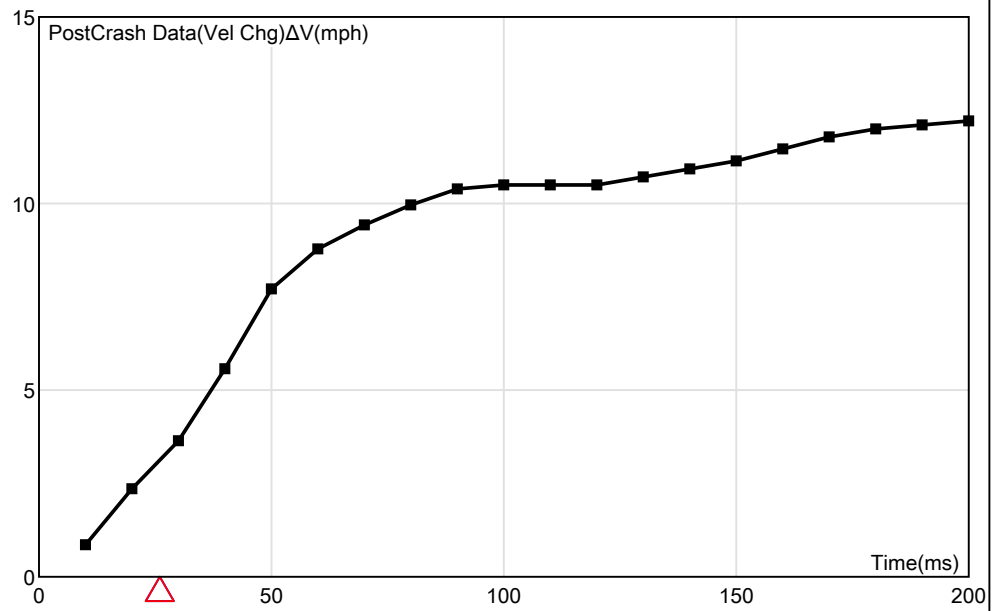
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 8.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 19(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 90(ms)
Frontal AB Deployment Time	: 26(ms)
Pretensioner Deployment Time	: 26(ms)
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	2.4
30	3.6
40	5.6
50	7.7
60	8.8
70	9.4
80	10.0
90	10.4
100	10.5
110	10.5
120	10.5
130	10.7
140	10.9
150	11.1
160	11.5
170	11.8
180	12.0
190	12.1
200	12.2

Case 3 Complete EDR Image

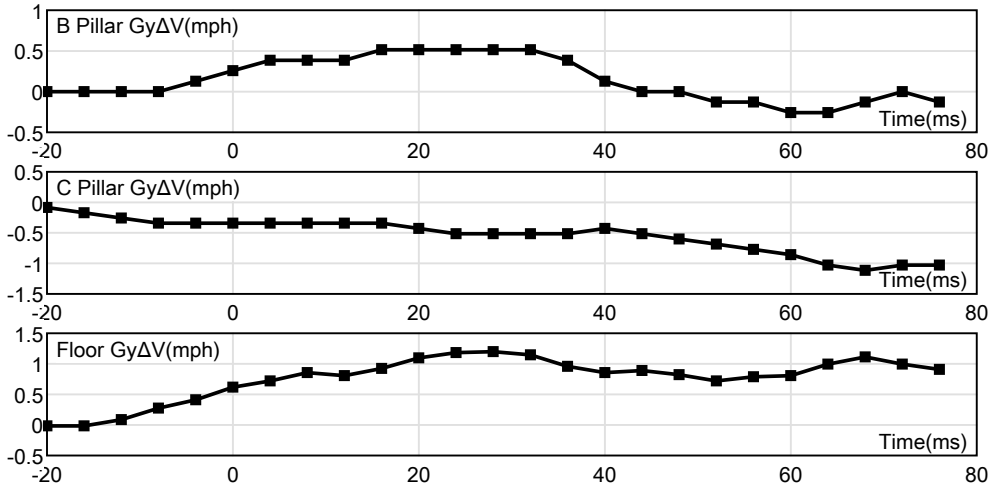
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 16(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	-0.1	-0.0
-16	0.0	-0.2	-0.0
-12	0.0	-0.3	0.1
-8	0.0	-0.3	0.3
-4	0.1	-0.3	0.4
0	0.3	-0.3	0.6
4	0.4	-0.3	0.7
8	0.4	-0.3	0.9
12	0.4	-0.3	0.8
16	0.5	-0.3	0.9
20	0.5	-0.4	1.1
24	0.5	-0.5	1.2
28	0.5	-0.5	1.2
32	0.5	-0.5	1.1
36	0.4	-0.5	1.0
40	0.1	-0.4	0.9
44	0.0	-0.5	0.9
48	0.0	-0.6	0.8
52	-0.1	-0.7	0.7
56	-0.1	-0.8	0.8
60	-0.3	-0.9	0.8
64	-0.3	-1.0	1.0
68	-0.1	-1.1	1.1
72	0.0	-1.0	1.0
76	-0.1	-1.0	0.9

Case 3 Complete EDR Image

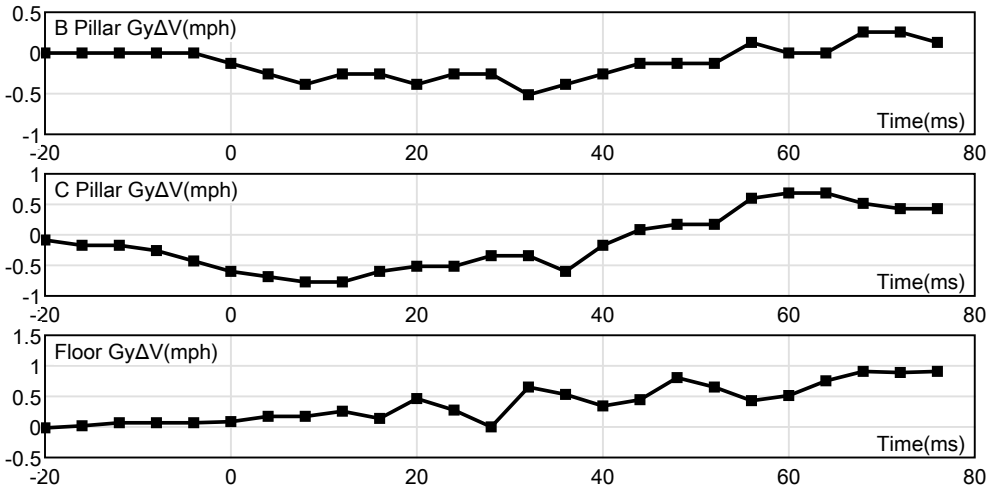
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 18(times)
Previous Event	: R/ONonCrash
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 89(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	-0.1	-0.0
-16	0.0	-0.2	0.0
-12	0.0	-0.2	0.1
-8	0.0	-0.3	0.1
-4	0.0	-0.4	0.1
0	-0.1	-0.6	0.1
4	-0.3	-0.7	0.2
8	-0.4	-0.8	0.2
12	-0.3	-0.8	0.3
16	-0.3	-0.6	0.1
20	-0.4	-0.5	0.5
24	-0.3	-0.5	0.3
28	-0.3	-0.3	0.0
32	-0.5	-0.3	0.7
36	-0.4	-0.6	0.5
40	-0.3	-0.2	0.3
44	-0.1	0.1	0.4
48	-0.1	0.2	0.8
52	-0.1	0.2	0.7
56	0.1	0.6	0.4
60	0.0	0.7	0.5
64	0.0	0.7	0.8
68	0.3	0.5	0.9
72	0.3	0.4	0.9
76	0.1	0.4	0.9

Case 3 Complete EDR Image

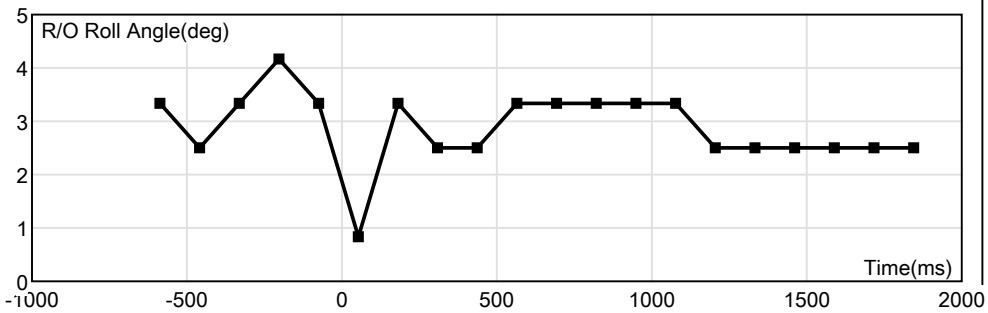
Roll Over Page.0

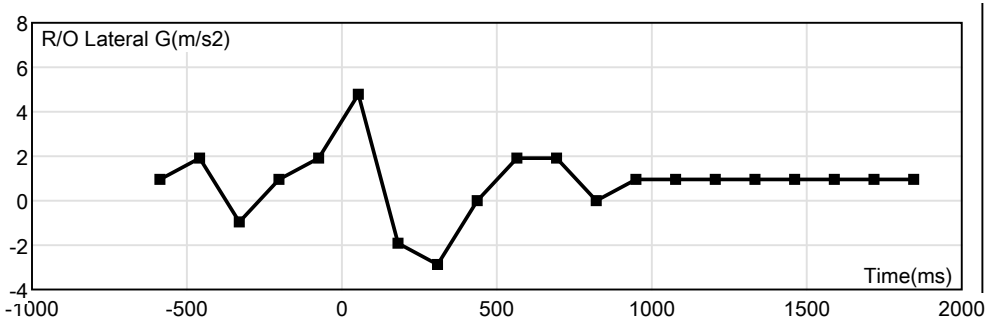
User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 53(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 4.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 17(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-587	3.3	1.0
-459	2.5	1.9
-331	3.3	-1.0
-203	4.2	1.0
-75	3.3	1.9
53	0.8	4.8
181	3.3	-1.9
309	2.5	-2.9
437	2.5	0.0
565	3.3	1.9
693	3.3	1.9
821	3.3	0.0
949	3.3	1.0
1077	3.3	1.0
1205	2.5	1.0
1333	2.5	1.0
1461	2.5	1.0
1589	2.5	1.0
1717	2.5	1.0
1845	2.5	1.0

Case 3 Complete EDR Image

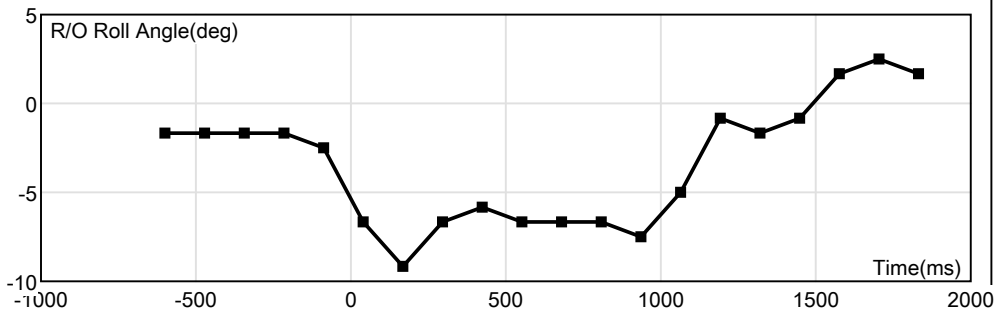
Roll Over Page.1

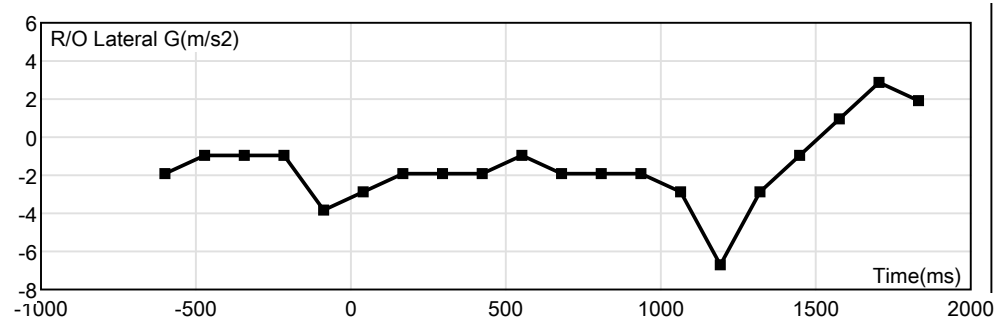
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 40(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 8.7(deg)
Crash Mode	: NonCrashData
TRG Counter	: 13(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 271(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-600	-1.7	-1.9
-472	-1.7	-1.0
-344	-1.7	-1.0
-216	-1.7	-1.0
-88	-2.5	-3.8
40	-6.7	-2.9
168	-9.2	-1.9
296	-6.7	-1.9
424	-5.8	-1.9
552	-6.7	-1.0
680	-6.7	-1.9
808	-6.7	-1.9
936	-7.5	-1.9
1064	-5.0	-2.9
1192	-0.8	-6.7
1320	-1.7	-2.9
1448	-0.8	-1.0
1576	1.7	1.0
1704	2.5	2.9
1832	1.7	1.9

Case 4

Vehicle MY - Model: 2007 Camry

Incident Location: Garage

Inspection Prompted by: Complainant stated: Pulled into driveway at my home, with foot on brakes. As I touched auto garage door opener on visor, I removed foot from brake to gas pedal to pull into the garage, and lightly placed foot on accelerator, instantaneously engine revved, pedal went to floor, tach zoomed and auto jetted into the garage. I immediately hit the brakes with both feet, attempting to disengage the transmision from D and put into N.

Incident Synopsis: Pulling into residential garage, vehicle struck interior wall twice.

Observation: EDR Pre-Crash Data Indicate: Late brake application (within 1 second of impact)

See Page 1

Case 4 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

System Information

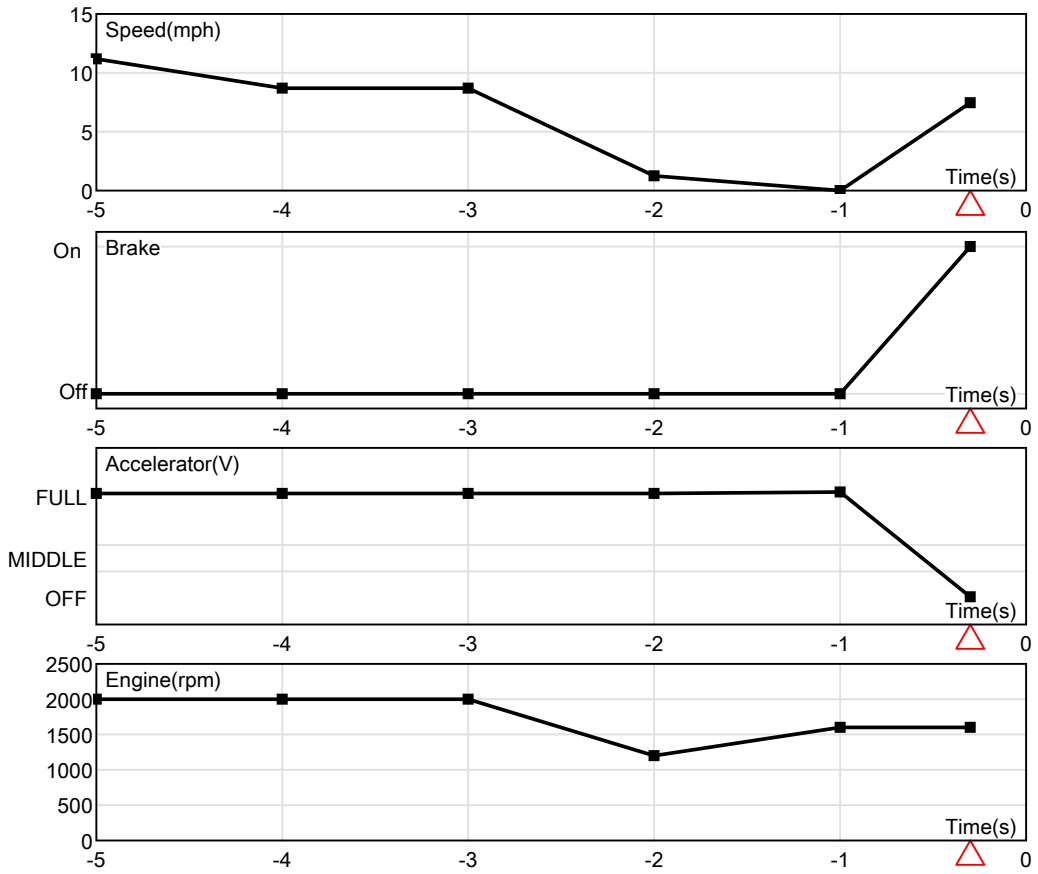
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	11.2	8.7	8.7	1.2	0.0	7.5(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	ON
Accelerator	:	3.71	3.71	3.71	3.71	3.75	0.78(V)
		FULL	FULL	FULL	FULL	FULL	OFF
Engine	:	2000	2000	2000	1200	1600	1600(rpm)

Time from Last PreCrash Data : 700(ms)

Case 4 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

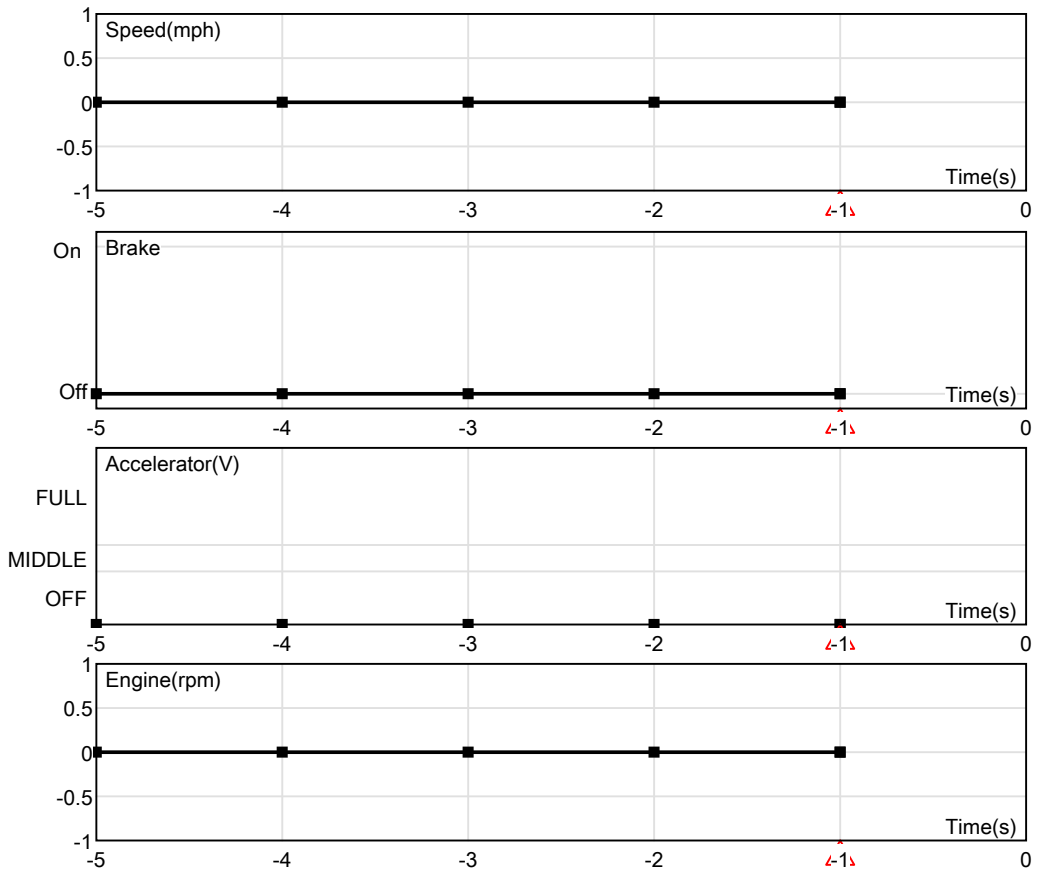
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 4 Complete EDR Image

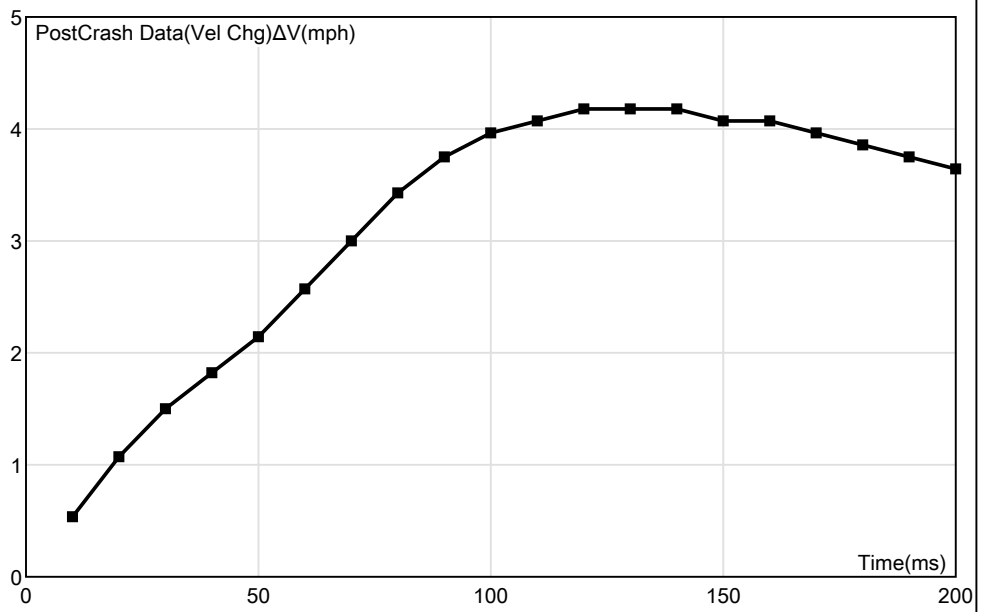
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 2.5(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.1
30	1.5
40	1.8
50	2.1
60	2.6
70	3.0
80	3.4
90	3.7
100	4.0
110	4.1
120	4.2
130	4.2
140	4.2
150	4.1
160	4.1
170	4.0
180	3.9
190	3.7
200	3.6

Case 4 Complete EDR Image

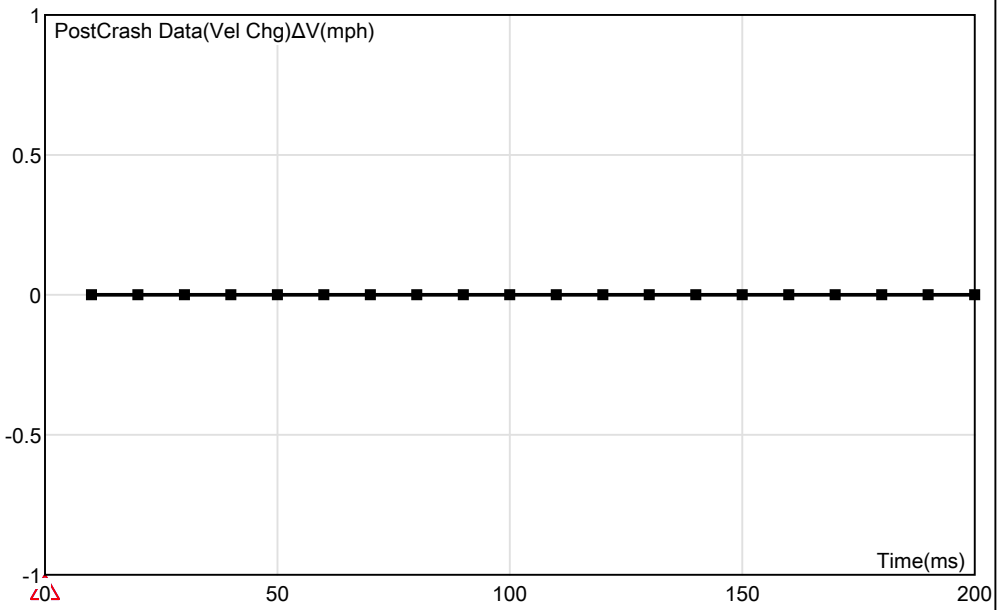
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 4 Complete EDR Image

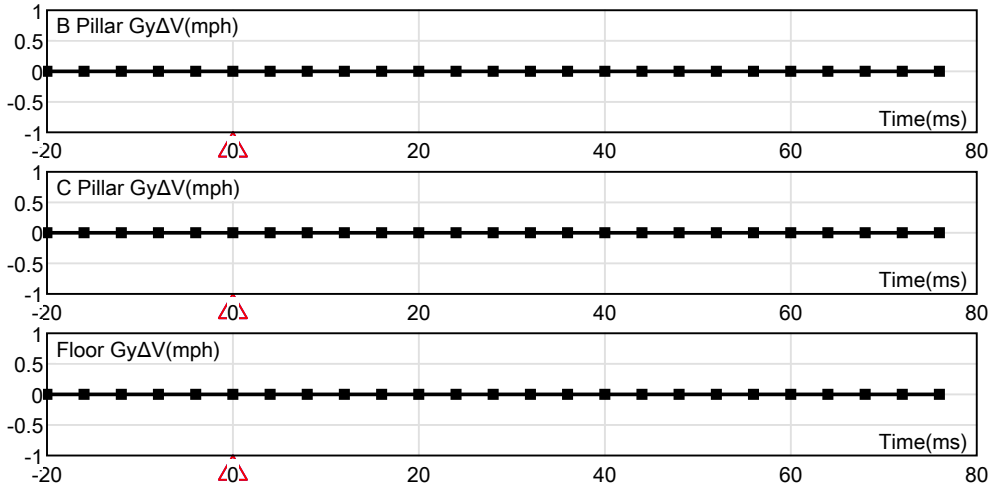
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 4 Complete EDR Image

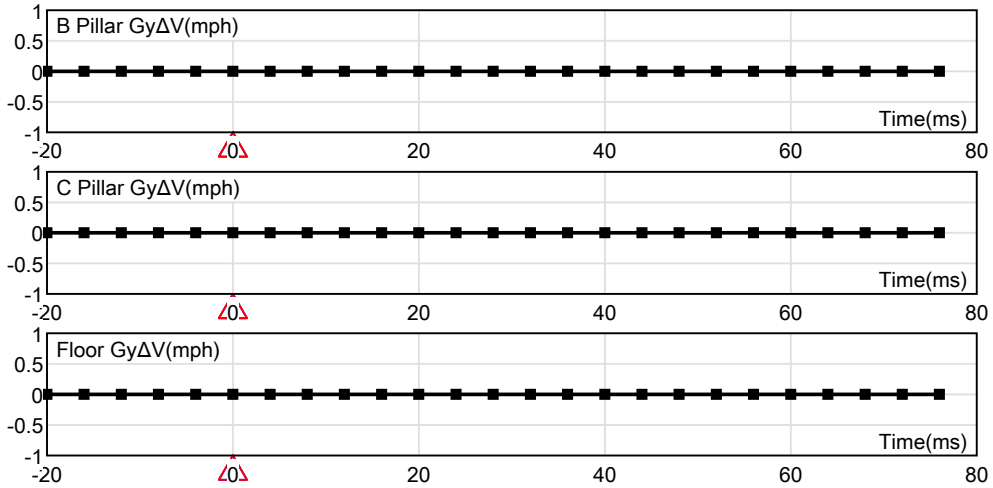
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 06201
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 5

Vehicle MY - Model: 2007 ES350

Incident Location: Shopping Mall Roadway

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Driving through commercial parking lot; Struck a light pole

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 5 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

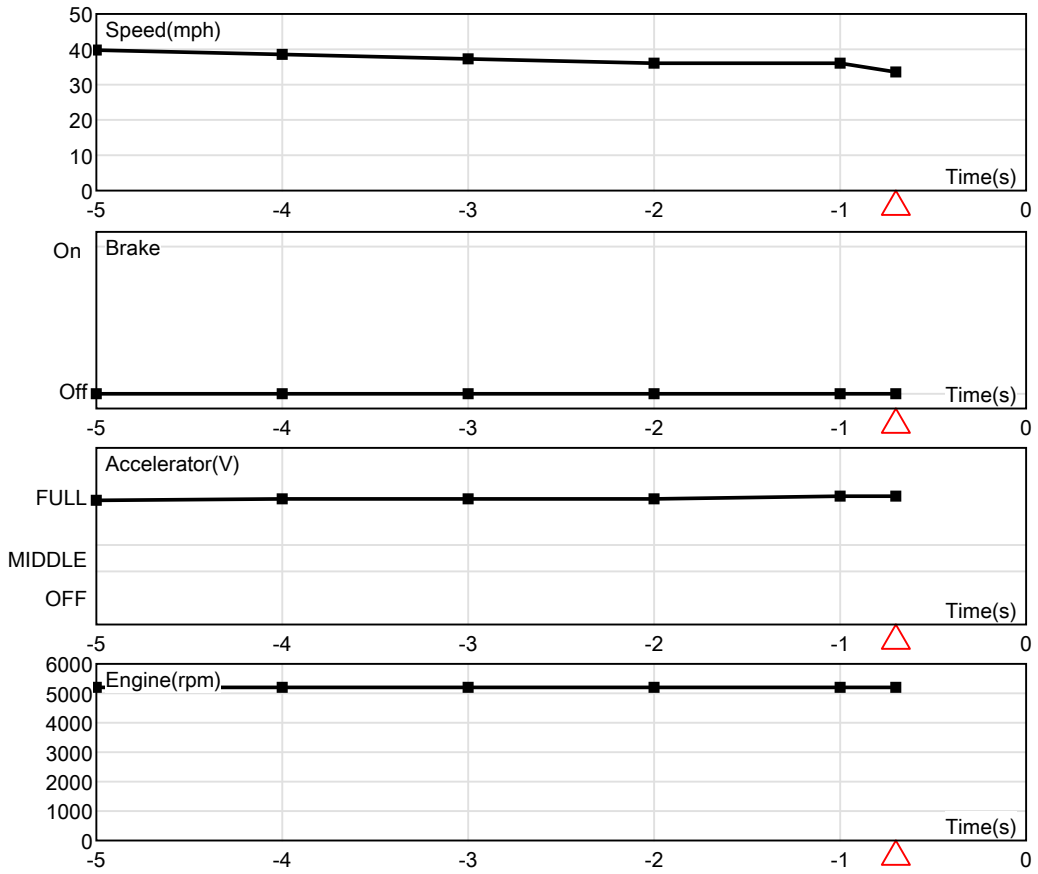
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	39.8	38.5	37.3	36.0	36.0	33.6(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.52	3.55	3.55	3.55	3.63	3.63(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	5200	5200	5200	5200	5200	5200(rpm)

Time from Last PreCrash Data : 300(ms)

Case 5 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

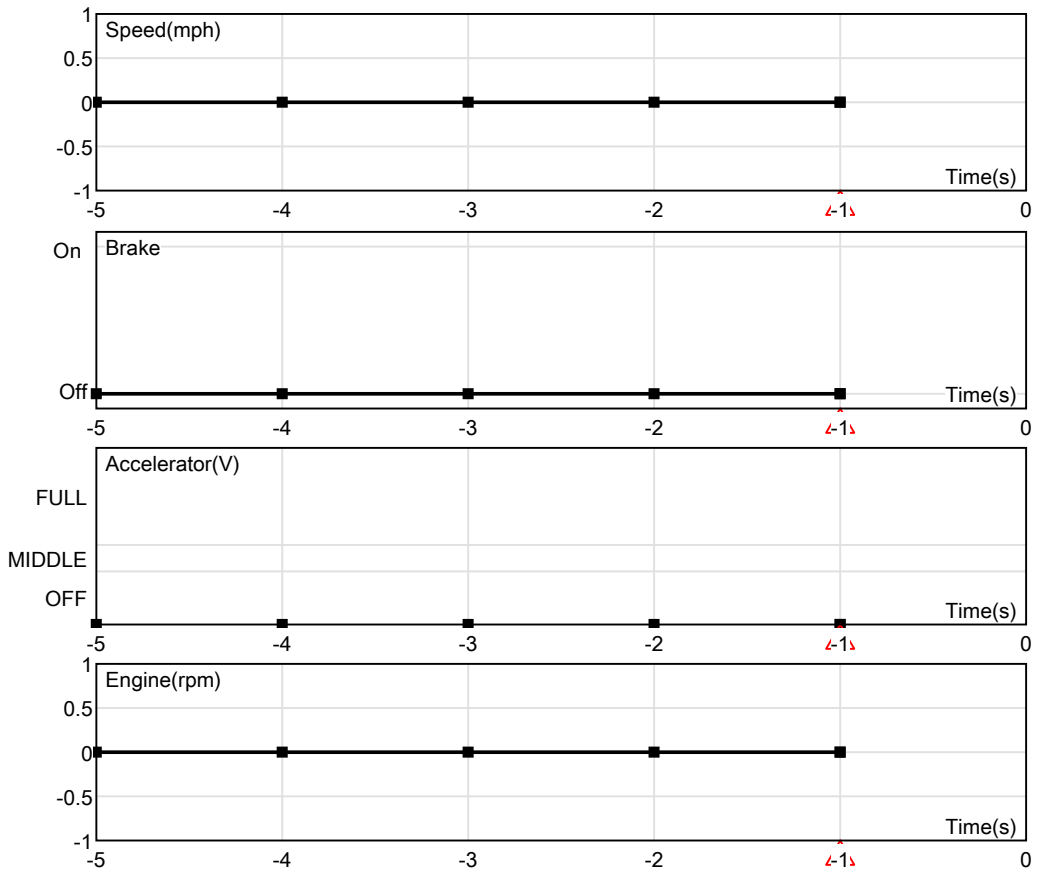
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 5 Complete EDR Image

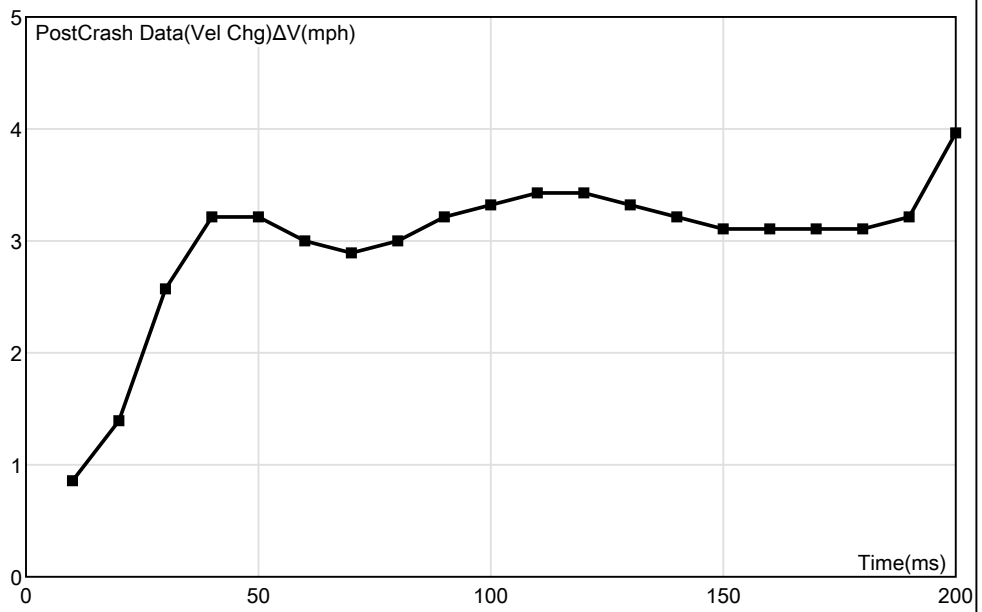
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 2.4(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 4(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	1.4
30	2.6
40	3.2
50	3.2
60	3.0
70	2.9
80	3.0
90	3.2
100	3.3
110	3.4
120	3.4
130	3.3
140	3.2
150	3.1
160	3.1
170	3.1
180	3.1
190	3.2
200	4.0

Case 5 Complete EDR Image

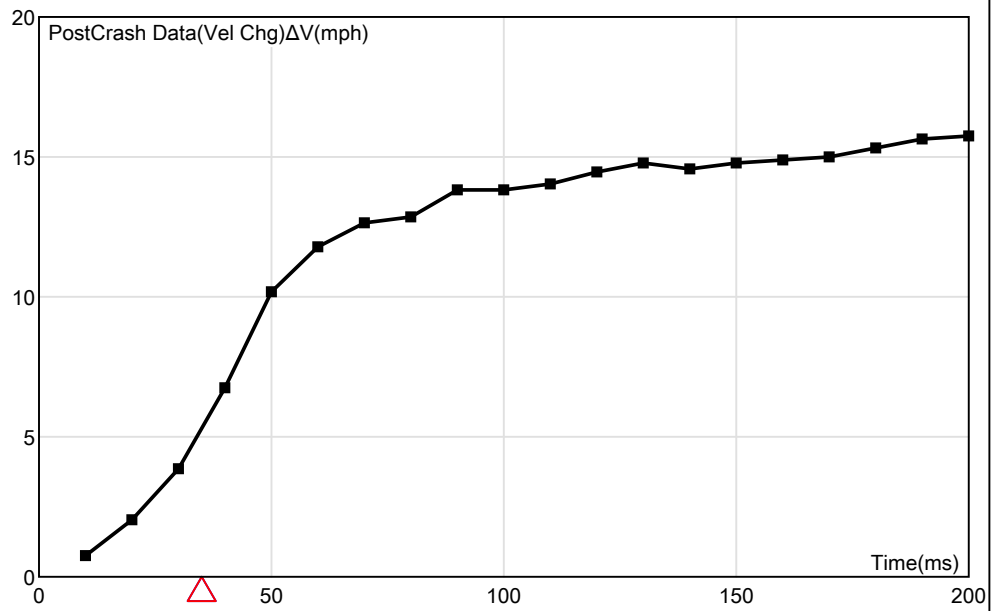
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 11.4(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 205(ms)
Frontal AB Deployment Time	: 35(ms) △
Pretensioner Deployment Time	: 35(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.7
20	2.0
30	3.9
40	6.7
50	10.2
60	11.8
70	12.6
80	12.9
90	13.8
100	13.8
110	14.0
120	14.5
130	14.8
140	14.6
150	14.8
160	14.9
170	15.0
180	15.3
190	15.6
200	15.7

Case 5 Complete EDR Image

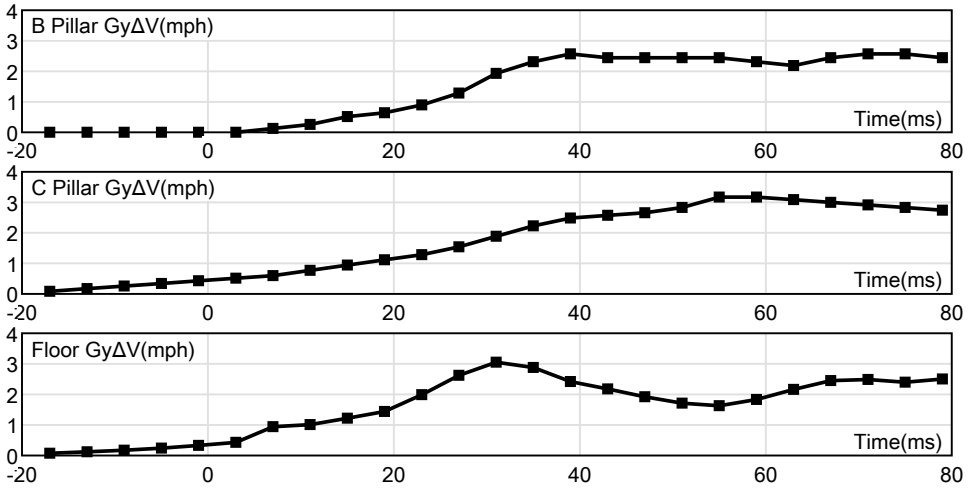
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	0.0	0.1	0.1
-13	0.0	0.2	0.1
-9	0.0	0.3	0.2
-5	0.0	0.3	0.2
-1	0.0	0.4	0.3
3	0.0	0.5	0.4
7	0.1	0.6	0.9
11	0.3	0.8	1.0
15	0.5	0.9	1.2
19	0.6	1.1	1.4
23	0.9	1.3	2.0
27	1.3	1.5	2.6
31	1.9	1.9	3.1
35	2.3	2.2	2.9
39	2.6	2.5	2.4
43	2.4	2.6	2.2
47	2.4	2.7	1.9
51	2.4	2.8	1.7
55	2.4	3.2	1.6
59	2.3	3.2	1.8
63	2.2	3.1	2.2
67	2.4	3.0	2.5
71	2.6	2.9	2.5
75	2.6	2.8	2.4
79	2.4	2.7	2.5

Case 5 Complete EDR Image

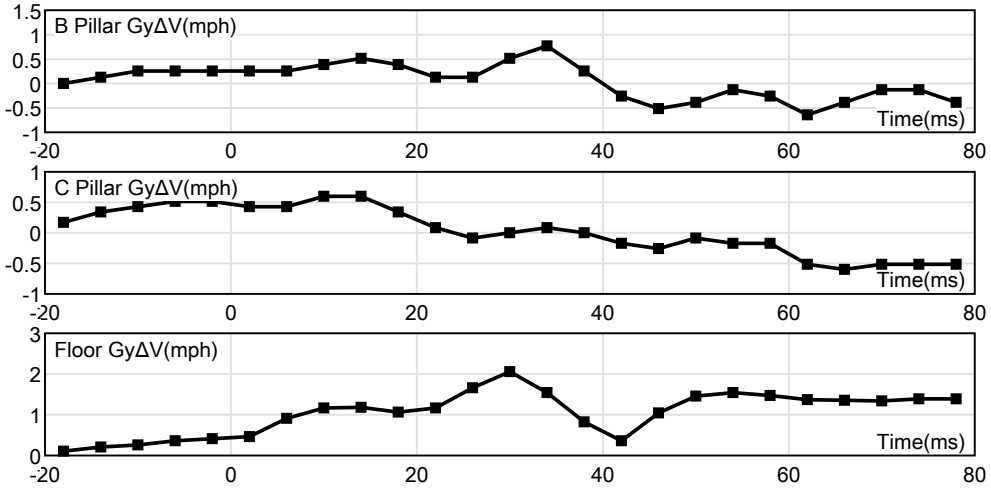
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 213(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	0.0	0.2	0.1
-14	0.1	0.3	0.2
-10	0.3	0.4	0.3
-6	0.3	0.5	0.4
-2	0.3	0.5	0.4
2	0.3	0.4	0.5
6	0.3	0.4	0.9
10	0.4	0.6	1.2
14	0.5	0.6	1.2
18	0.4	0.3	1.1
22	0.1	0.1	1.2
26	0.1	-0.1	1.7
30	0.5	0.0	2.1
34	0.8	0.1	1.5
38	0.3	0.0	0.8
42	-0.3	-0.2	0.4
46	-0.5	-0.3	1.0
50	-0.4	-0.1	1.5
54	-0.1	-0.2	1.5
58	-0.3	-0.2	1.5
62	-0.6	-0.5	1.4
66	-0.4	-0.6	1.4
70	-0.1	-0.5	1.3
74	-0.1	-0.5	1.4
78	-0.4	-0.5	1.4

Case 6

Vehicle MY - Model: 2010 Camry

Incident Location: Roadway

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Vehicle was driving on local road; Sideswiped another vehicle, struck utility pole, rolled over

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 6 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

System Information

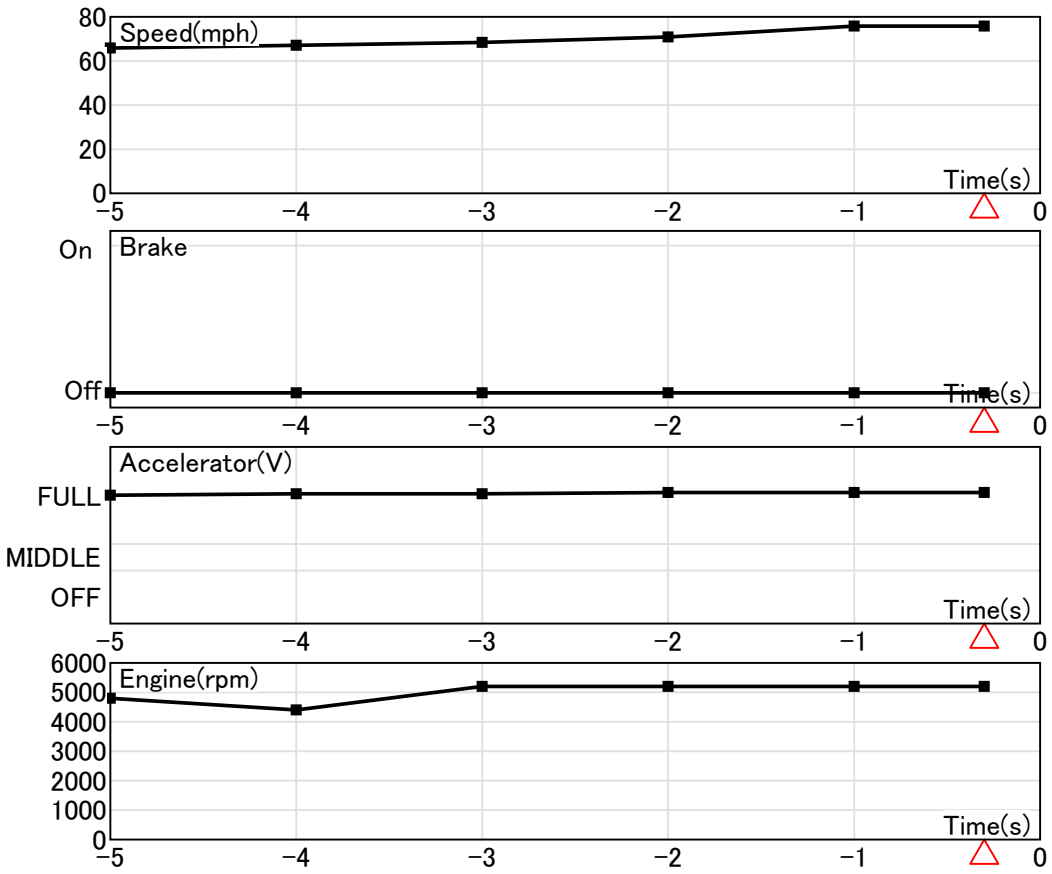
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	65.9	67.1	68.4	70.9	75.8	75.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.63	3.67	3.67	3.71	3.71	3.71(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	4800	4400	5200	5200	5200	5200(rpm)

Time from Last PreCrash Data : 700(ms) △

Case 6 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

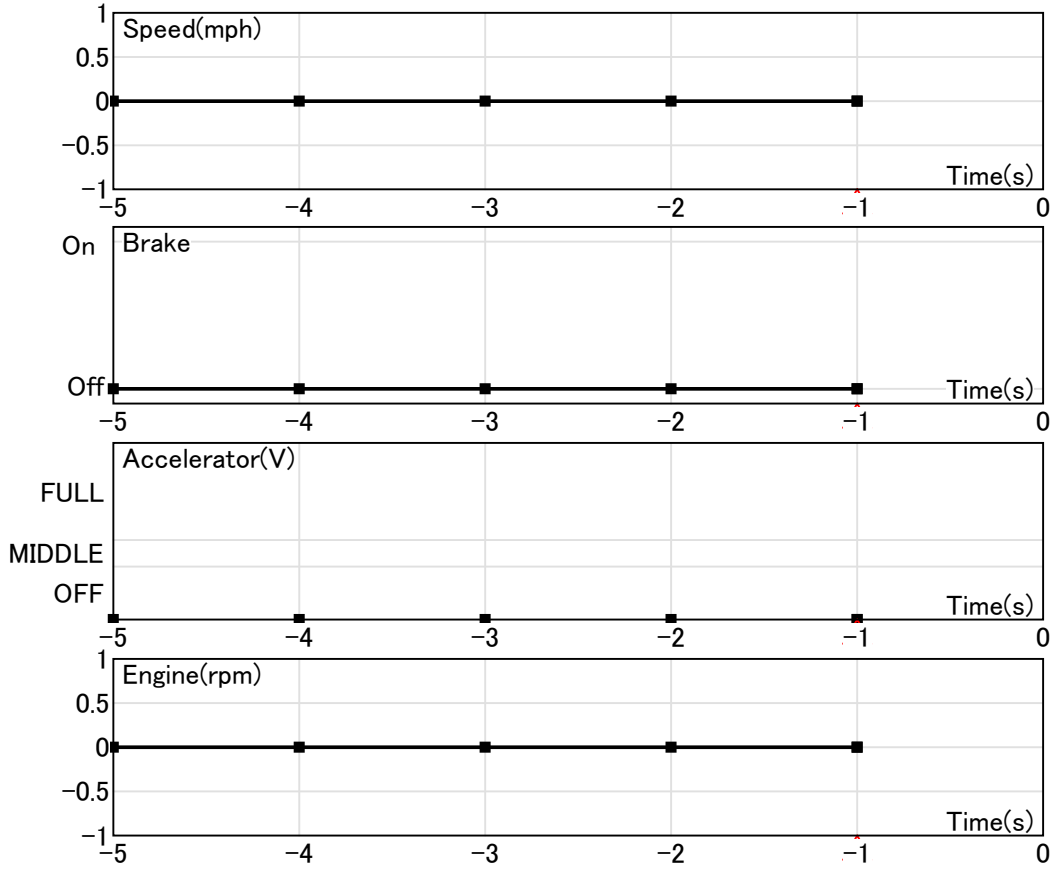
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 6 Complete EDR Image

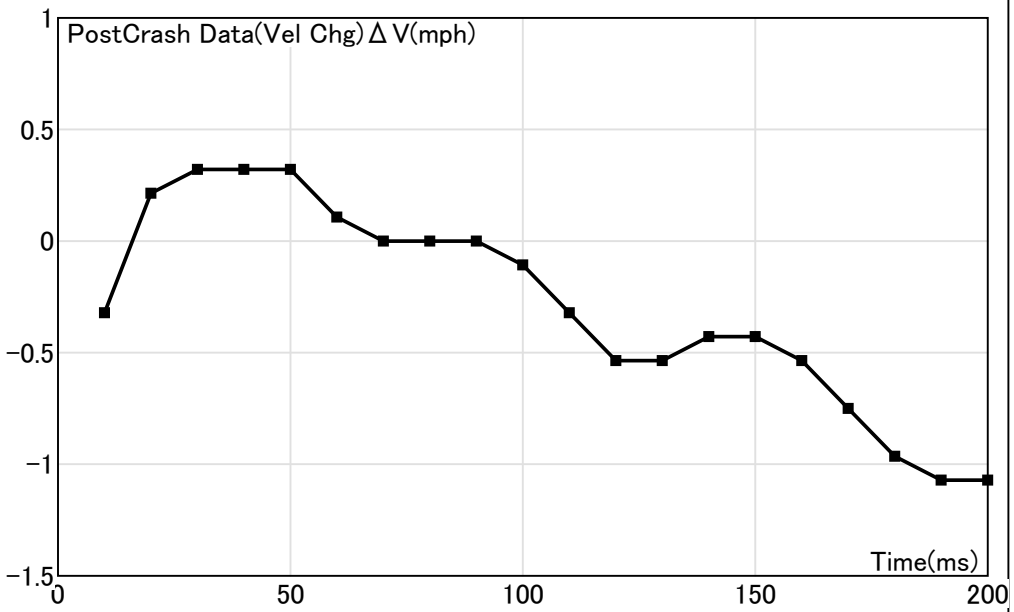
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: −1.9(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 49(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	−0.3
20	0.2
30	0.3
40	0.3
50	0.3
60	0.1
70	0.0
80	0.0
90	0.0
100	−0.1
110	−0.3
120	−0.5
130	−0.5
140	−0.4
150	−0.4
160	−0.5
170	−0.7
180	−1.0
190	−1.1
200	−1.1

Case 6 Complete EDR Image

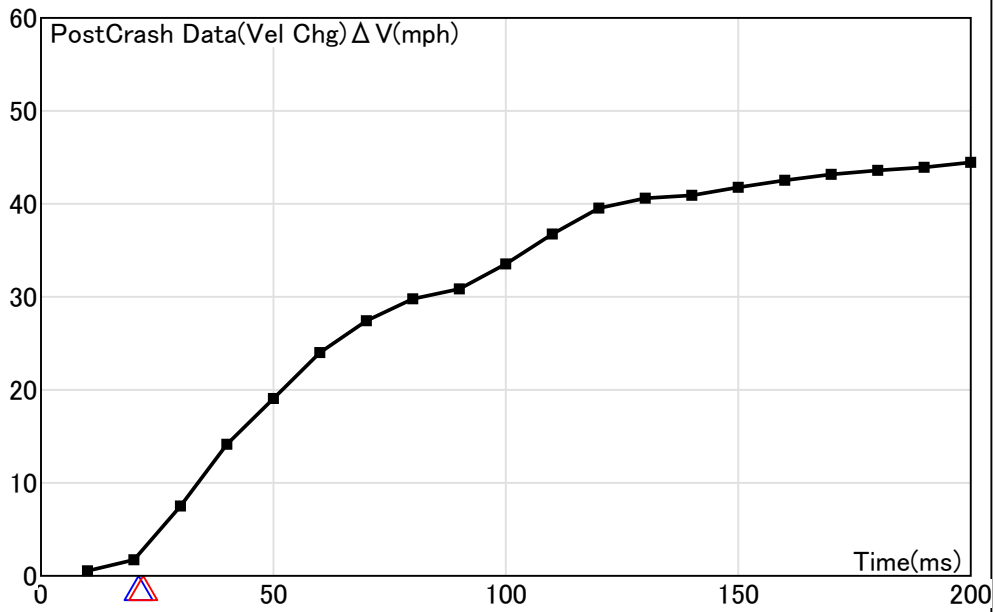
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 34.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 438(ms)
Frontal AB Deployment Time	: 22(ms) △
Pretensioner Deployment Time	: 21(ms) △
Deployment Stage Driver	: High
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.7
30	7.5
40	14.1
50	19.1
60	24.0
70	27.4
80	29.8
90	30.9
100	33.5
110	36.7
120	39.5
130	40.6
140	40.9
150	41.8
160	42.5
170	43.2
180	43.6
190	43.9
200	44.5

Case 6 Complete EDR Image

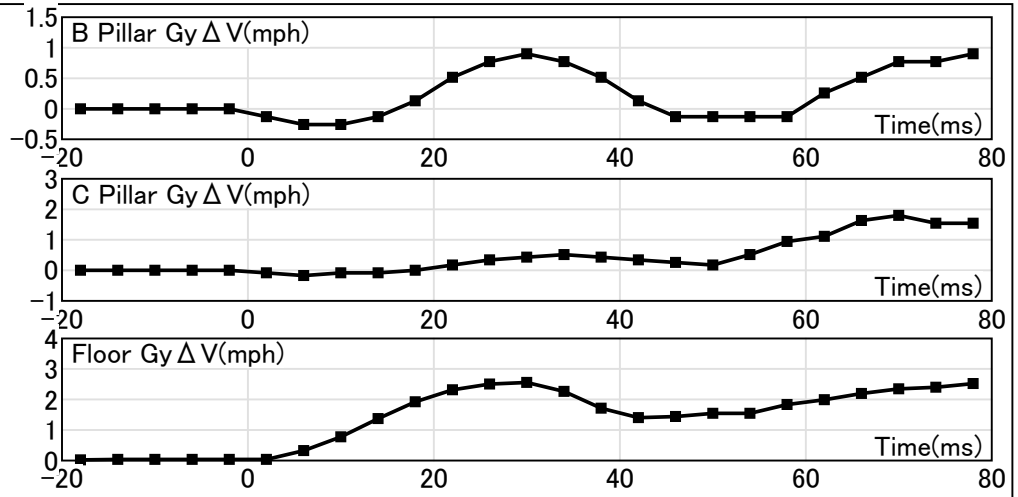
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	0.0	0.0	0.0
-14	0.0	0.0	0.0
-10	0.0	0.0	0.0
-6	0.0	0.0	0.0
-2	0.0	0.0	0.0
2	-0.1	-0.1	0.0
6	-0.3	-0.2	0.3
10	-0.3	-0.1	0.8
14	-0.1	-0.1	1.4
18	0.1	0.0	1.9
22	0.5	0.2	2.3
26	0.8	0.3	2.5
30	0.9	0.4	2.6
34	0.8	0.5	2.3
38	0.5	0.4	1.7
42	0.1	0.3	1.4
46	-0.1	0.3	1.4
50	-0.1	0.2	1.5
54	-0.1	0.5	1.5
58	-0.1	0.9	1.8
62	0.3	1.1	2.0
66	0.5	1.6	2.2
70	0.8	1.8	2.3
74	0.8	1.5	2.4
78	0.9	1.5	2.5

Case 6 Complete EDR Image

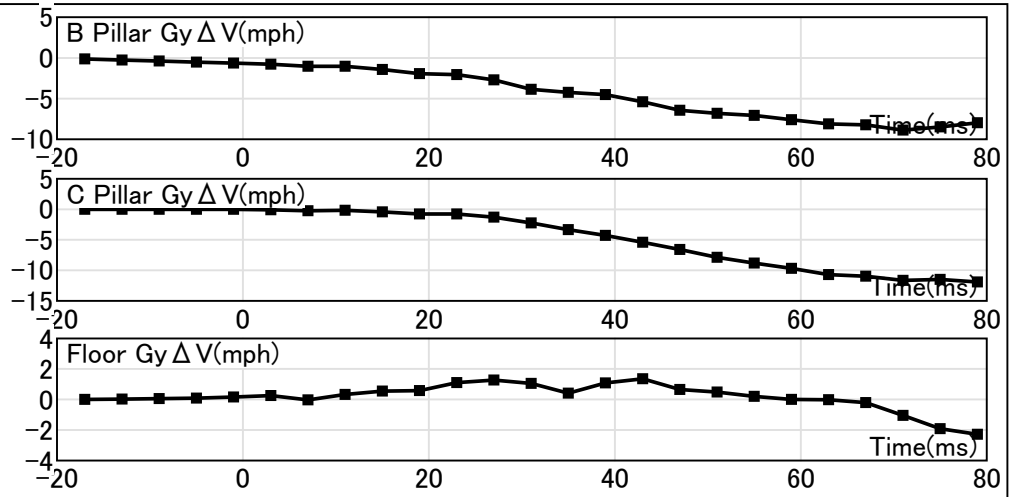
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 439(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	-0.1	0.0	0.0
-13	-0.3	0.0	0.0
-9	-0.4	0.0	0.1
-5	-0.5	0.0	0.1
-1	-0.6	0.0	0.2
3	-0.8	-0.1	0.3
7	-1.0	-0.3	-0.0
11	-1.0	-0.2	0.3
15	-1.4	-0.4	0.5
19	-1.9	-0.8	0.6
23	-2.1	-0.8	1.1
27	-2.7	-1.3	1.3
31	-3.9	-2.2	1.0
35	-4.2	-3.3	0.4
39	-4.5	-4.3	1.1
43	-5.4	-5.4	1.4
47	-6.4	-6.6	0.7
51	-6.8	-7.9	0.5
55	-7.1	-8.8	0.2
59	-7.6	-9.7	0.0
63	-8.1	-10.7	-0.0
67	-8.2	-11.0	-0.2
71	-8.9	-11.7	-1.0
75	-8.5	-11.5	-1.9
79	-8.0	-11.9	-2.3

Case 7

Vehicle MY - Model: 2009 Camry

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: Driving approximately 10 mph in a parking lot, when the vehicle accelerated and crashed into two parked vehicles. Even though the driver had pressed both feet on the brake pedal, the vehicle still crashed.

Incident Synopsis: Driving through commercial parking lot, approaching intersection; Struck parked vehicles

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Case 7 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

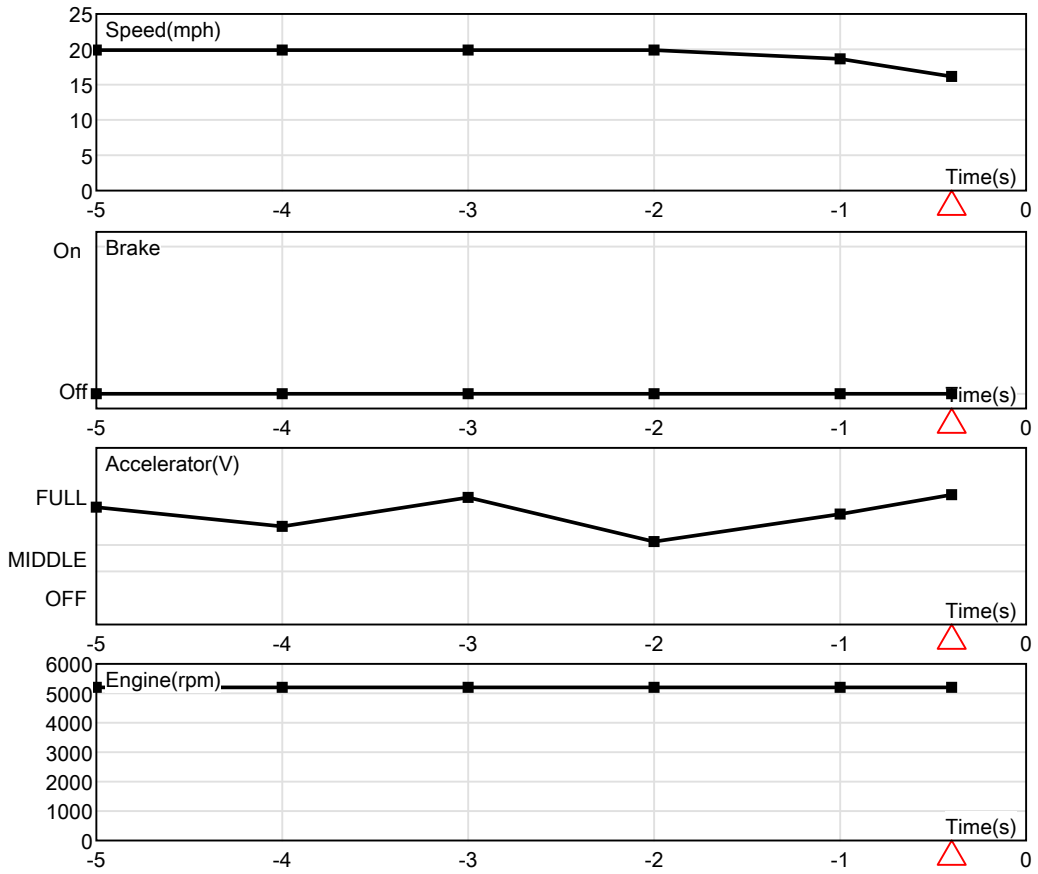
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: R
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	19.9	19.9	19.9	19.9	18.6	16.2(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.32	2.77	3.59	2.34	3.13	3.67(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	5200	5200	5200	5200	5200	5200(rpm)

Time from Last PreCrash Data : 600(ms)

Case 7 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

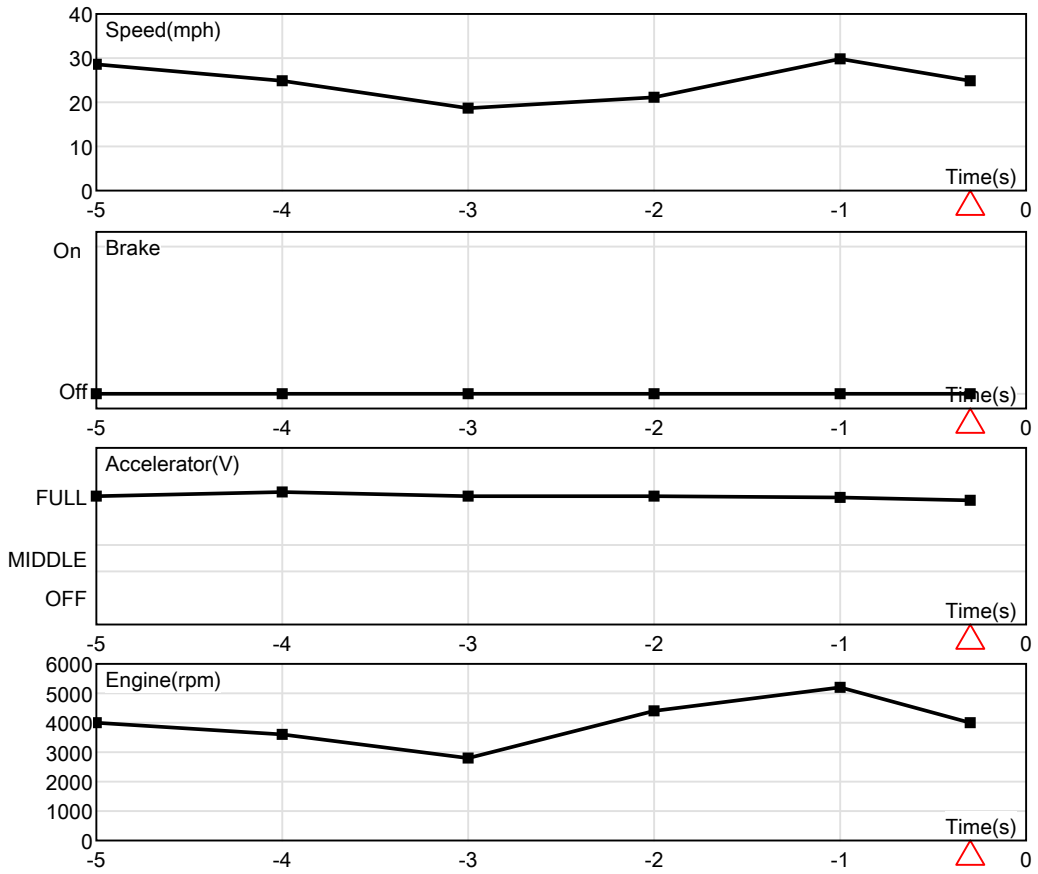
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 8128(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	28.6	24.9	18.6	21.1	29.8	24.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.63	3.75	3.63	3.63	3.59	3.52(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	4000	3600	2800	4400	5200	4000(rpm)

Time from Last PreCrash Data : 700(ms)

Case 7 Complete EDR Image

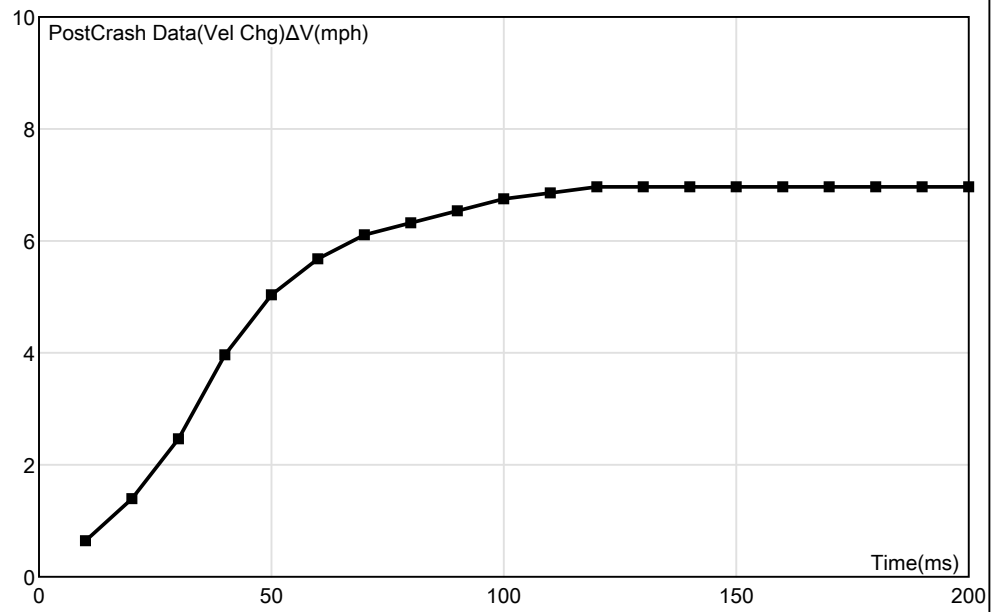
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 4.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.6
20	1.4
30	2.5
40	4.0
50	5.0
60	5.7
70	6.1
80	6.3
90	6.5
100	6.7
110	6.9
120	7.0
130	7.0
140	7.0
150	7.0
160	7.0
170	7.0
180	7.0
190	7.0
200	7.0

Case 7 Complete EDR Image

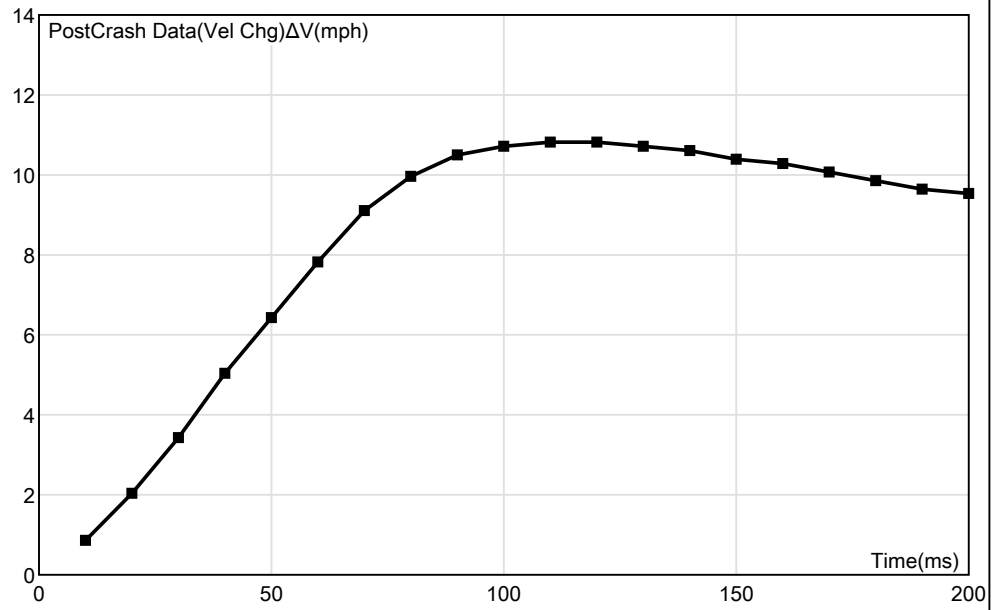
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 8.1(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	2.0
30	3.4
40	5.0
50	6.4
60	7.8
70	9.1
80	10.0
90	10.5
100	10.7
110	10.8
120	10.8
130	10.7
140	10.6
150	10.4
160	10.3
170	10.1
180	9.9
190	9.6
200	9.5

Case 7 Complete EDR Image

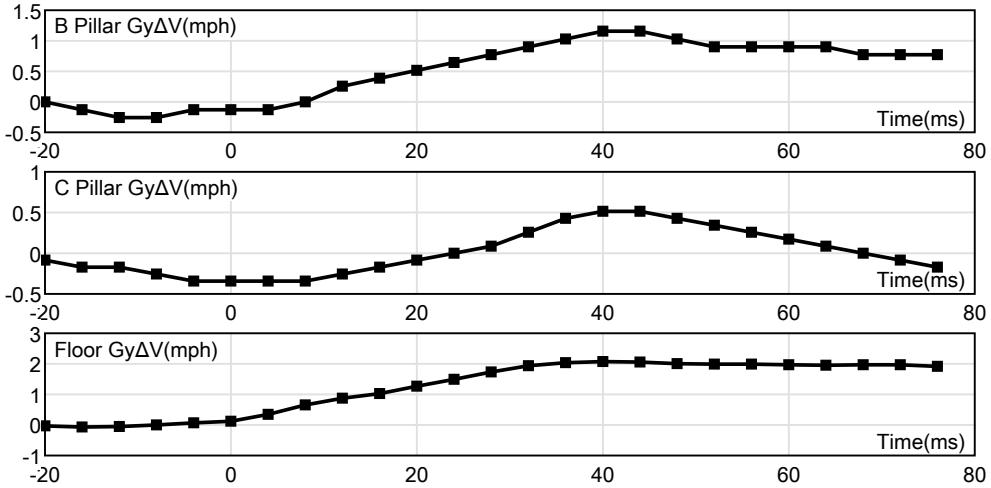
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 15(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	-0.1	-0.0
-16	-0.1	-0.2	-0.1
-12	-0.3	-0.2	-0.1
-8	-0.3	-0.3	0.0
-4	-0.1	-0.3	0.1
0	-0.1	-0.3	0.1
4	-0.1	-0.3	0.3
8	0.0	-0.3	0.7
12	0.3	-0.3	0.9
16	0.4	-0.2	1.0
20	0.5	-0.1	1.3
24	0.6	0.0	1.5
28	0.8	0.1	1.7
32	0.9	0.3	1.9
36	1.0	0.4	2.0
40	1.2	0.5	2.1
44	1.2	0.5	2.1
48	1.0	0.4	2.0
52	0.9	0.3	2.0
56	0.9	0.3	2.0
60	0.9	0.2	2.0
64	0.9	0.1	2.0
68	0.8	0.0	2.0
72	0.8	-0.1	2.0
76	0.8	-0.2	1.9

Case 7 Complete EDR Image

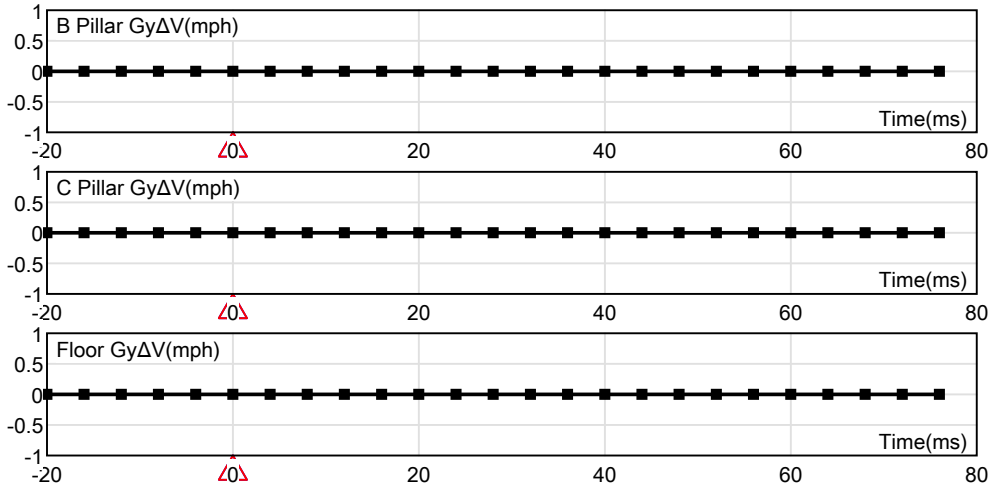
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: ****
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 8

Vehicle MY - Model: 2009 Camry

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: Was operating the vehicle and pulling into a parking lot at approximately 4 mph, to park, the vehicle accelerated without driver intent

Incident Synopsis: Pulling into parking space; Intrusion into building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 8 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

System Information

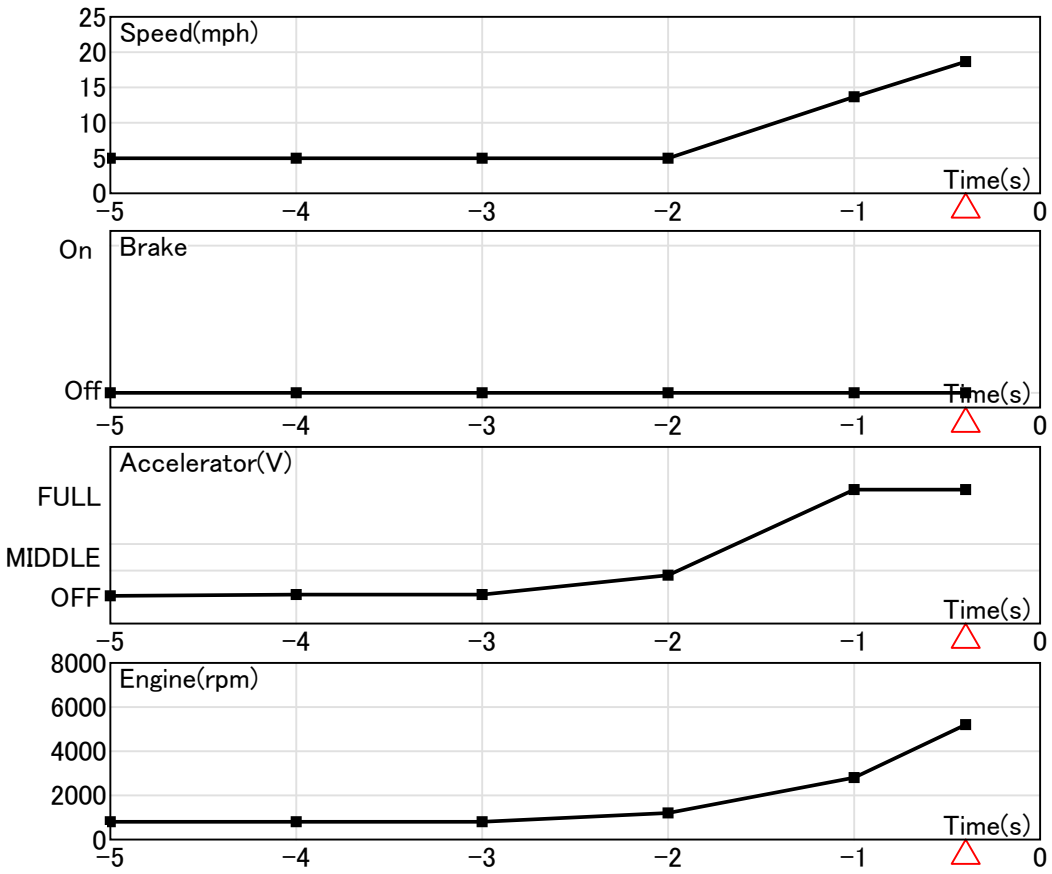
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	5.0	5.0	5.0	5.0	13.7	18.6(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.82	0.82	1.37	3.79	3.79(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	800	800	800	1200	2800	5200(rpm)

Time from Last PreCrash Data : 600(ms) △

Case 8 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

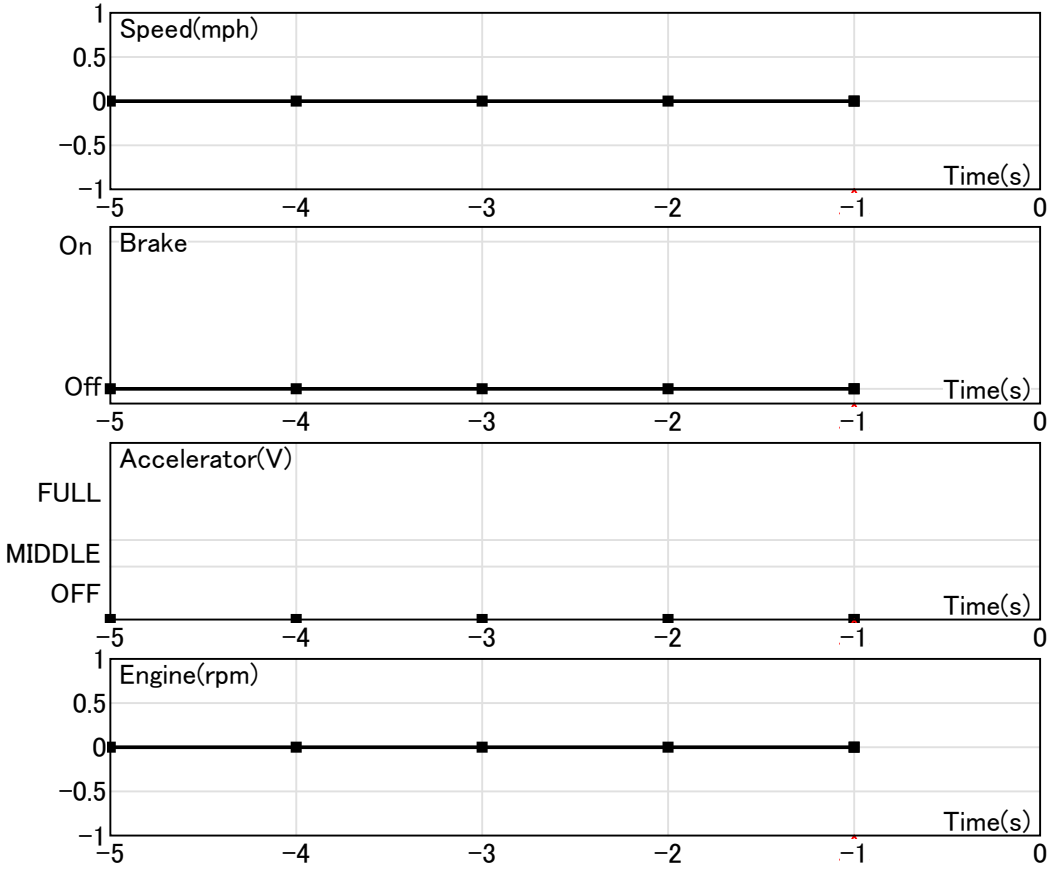
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 8 Complete EDR Image

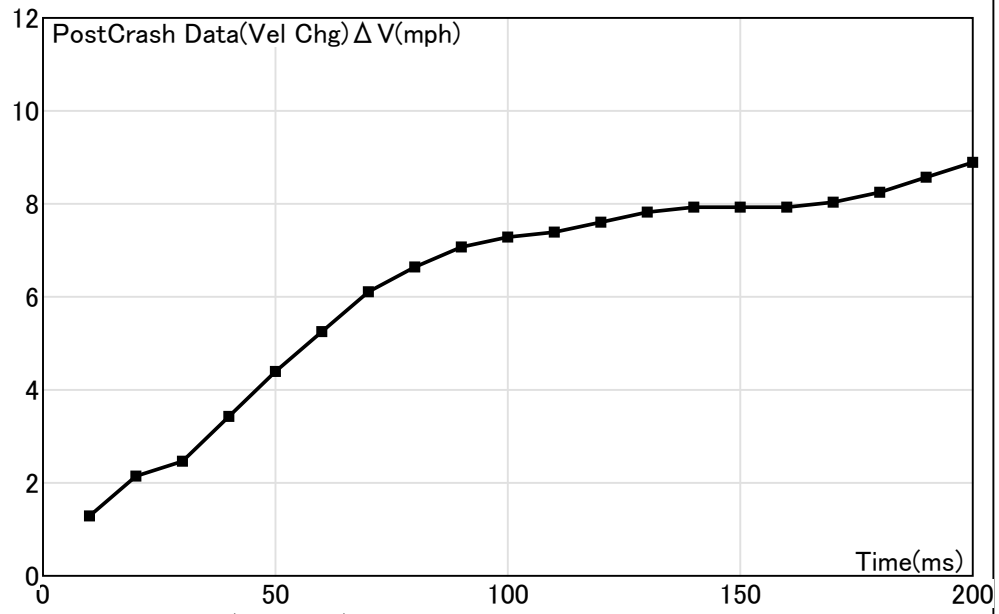
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 6.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.3
20	2.1
30	2.5
40	3.4
50	4.4
60	5.2
70	6.1
80	6.6
90	7.1
100	7.3
110	7.4
120	7.6
130	7.8
140	7.9
150	7.9
160	7.9
170	8.0
180	8.2
190	8.6
200	8.9

Case 8 Complete EDR Image

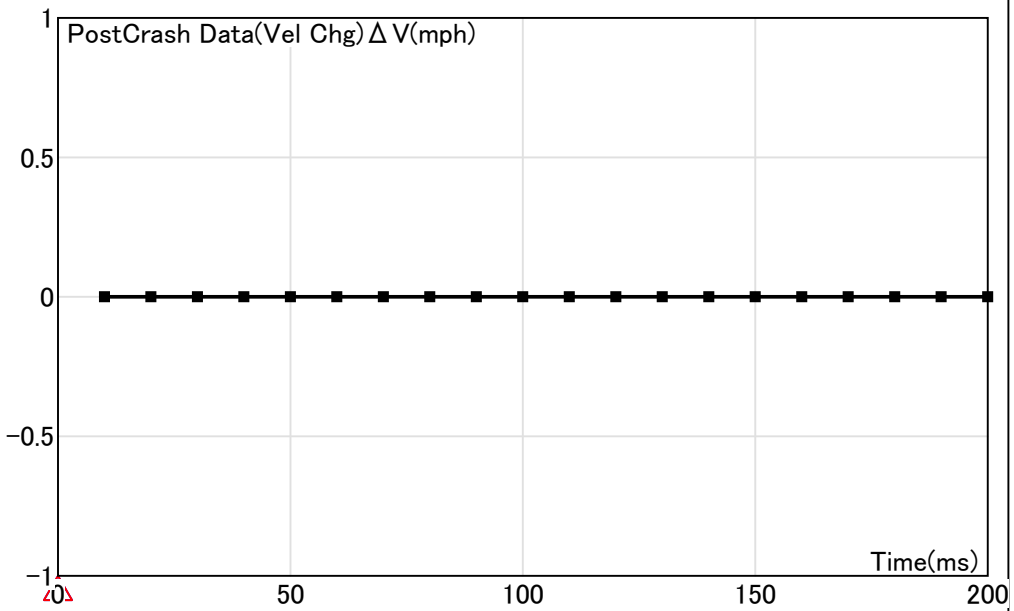
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 8 Complete EDR Image

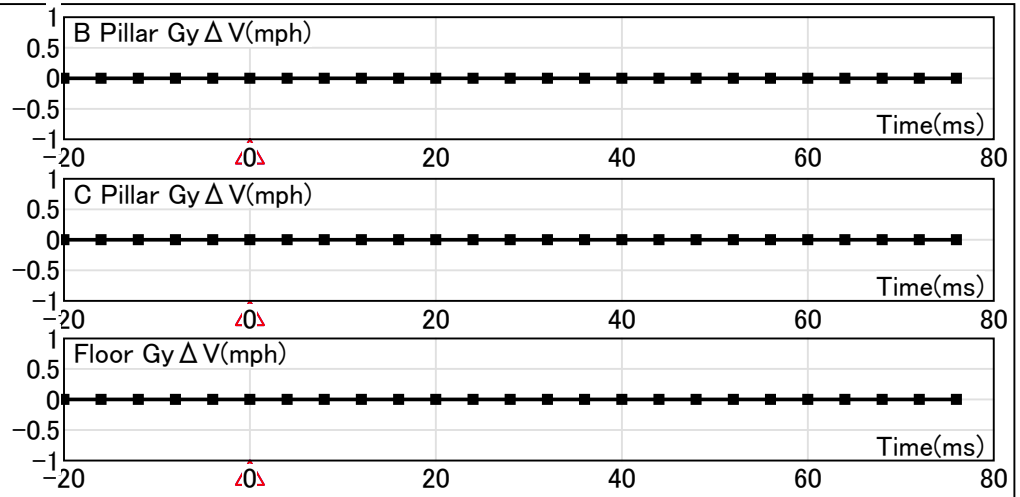
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 8 Complete EDR Image

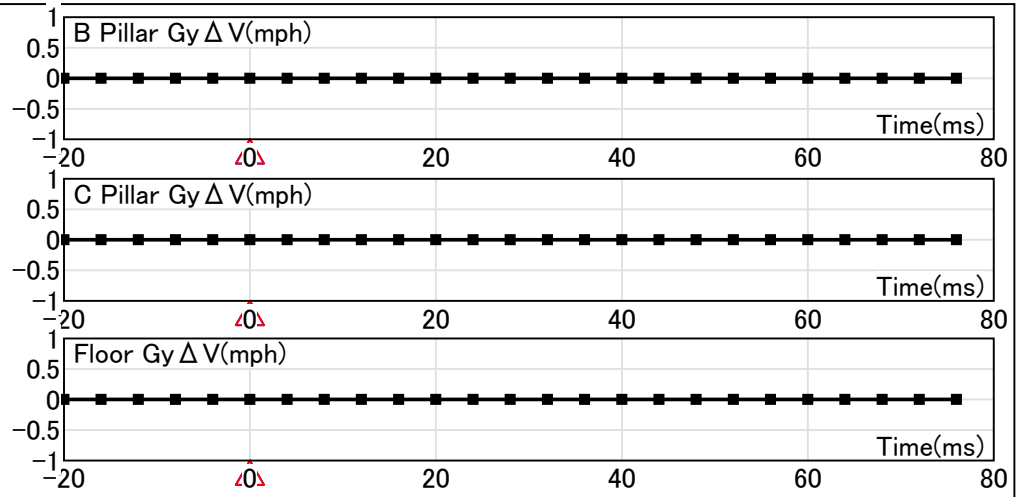
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Willard
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k79u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 9

Vehicle MY - Model: 2009 Corolla

Incident Location: Roadway

Inspection Prompted by: Private Accident Reconstructionist alleged a potential unintended acceleration incident

Incident Synopsis: Started to pull forward to enter traffic; Traversed roadway, struck vehicle

Observation: EDR Pre-Crash Data Indicate: Late brake application (within 1 second of impact)

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 9 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted]Corolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J[redacted]

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Left OFF	
Safing Right ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right OFF	
Discrimination Left ON	bp cpHighG cpLowG CCU1Y
Discrimination Left OFF	
Discrimination Right ON	bp cpHighG cpLowG CCU1Y
Discrimination Right OFF	
Recorded Ama Side	BothSide(error?)
Deployment judgment Side	BothSide(error?)
Deployment Enabled	ON
NewPage	0 Page
Freeze Signal	Freeze
Deployment Time	14 ms
Deployment Stage Driver	Lo
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 9 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted] eCorolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J [redacted]

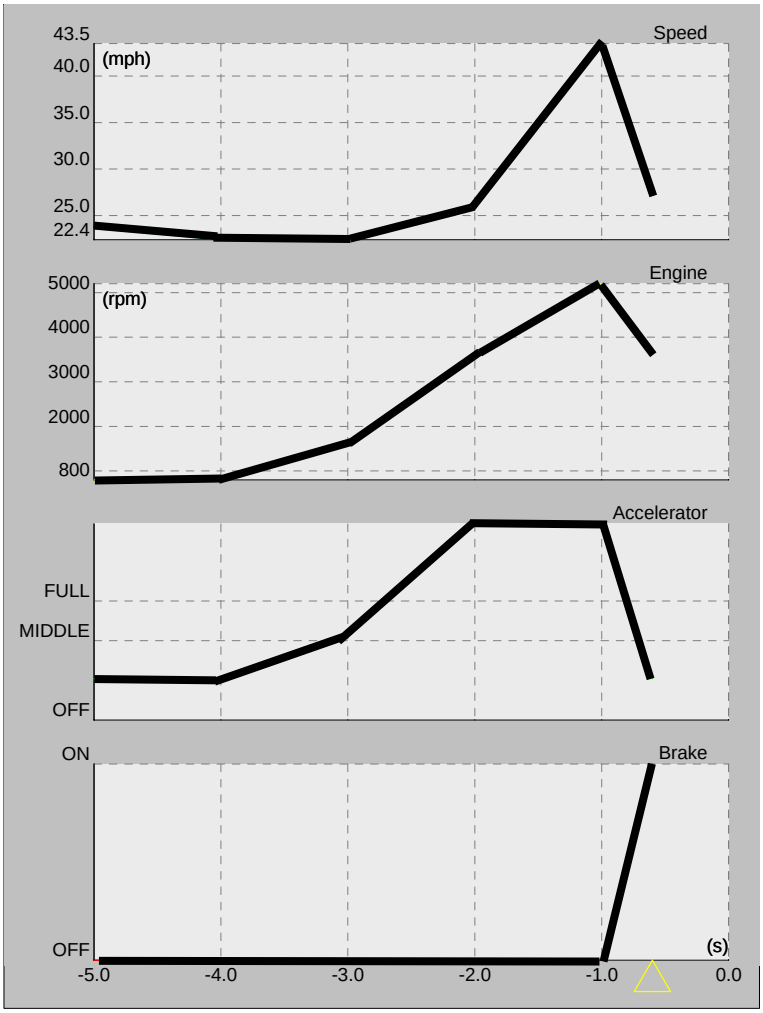
Graph Data

Latest/Frozen	BANK0
Freeze Signal	Freeze

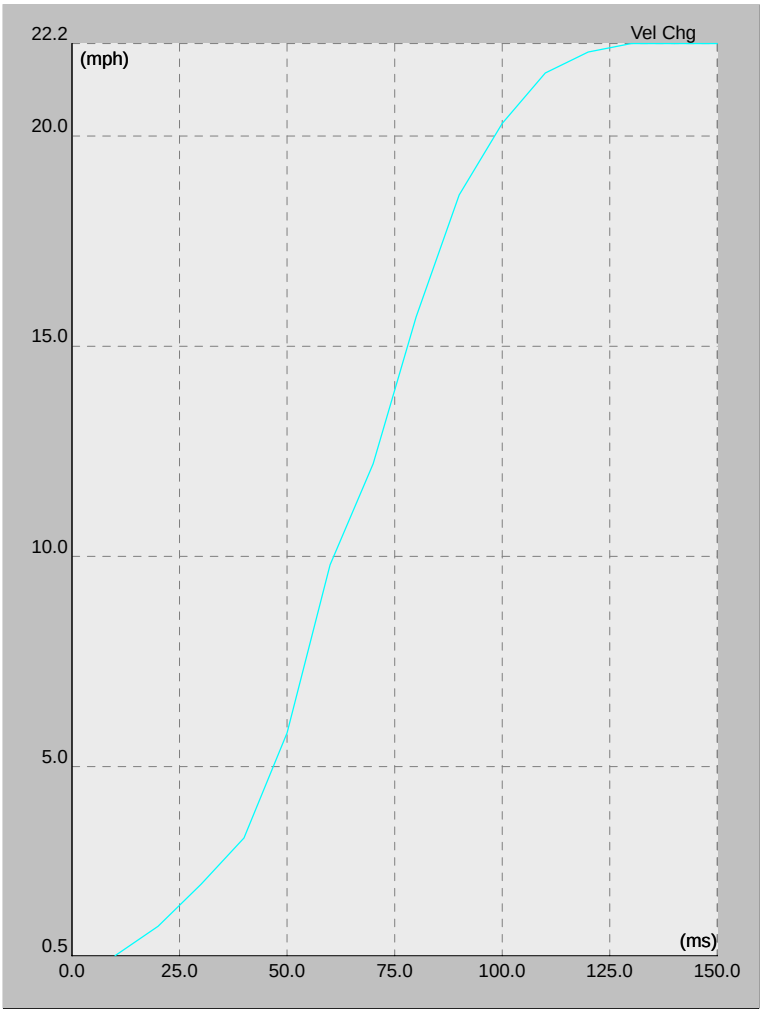
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	400 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	23.6	800	0.78(OFF	OFF	-0.6	27.3	3600	0.78(OFF	ON
-4.0	22.4	800	0.78(OFF	OFF					
-3.0	22.4	1600	1.60(MIDI	OFF					
-2.0	26.1	3600	3.71(FULI	OFF					
-1.0	43.5	5200	3.67(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	9.8	110.0	21.5
20.0	1.2	70.0	12.2	120.0	22.0
30.0	2.2	80.0	15.7	130.0	22.2
40.0	3.3	90.0	18.6	140.0	22.2
50.0	5.8	100.0	20.3	150.0	22.2

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 9 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted] eCorolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J[redacted]

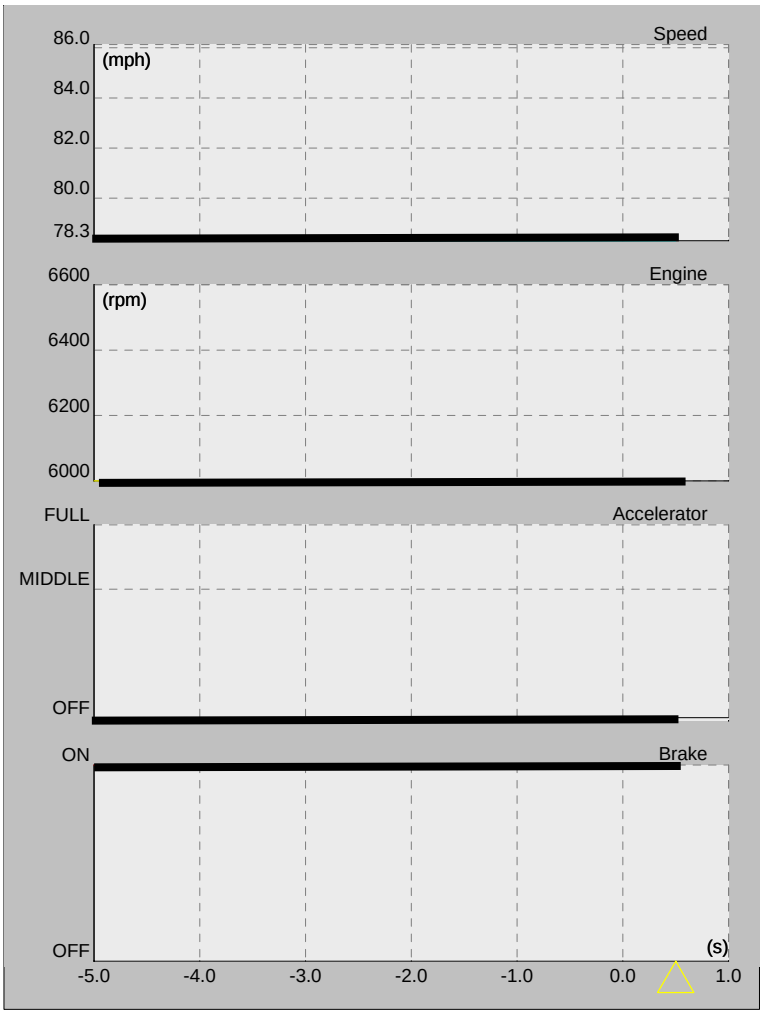
Graph Data

Next most recent	BANK1

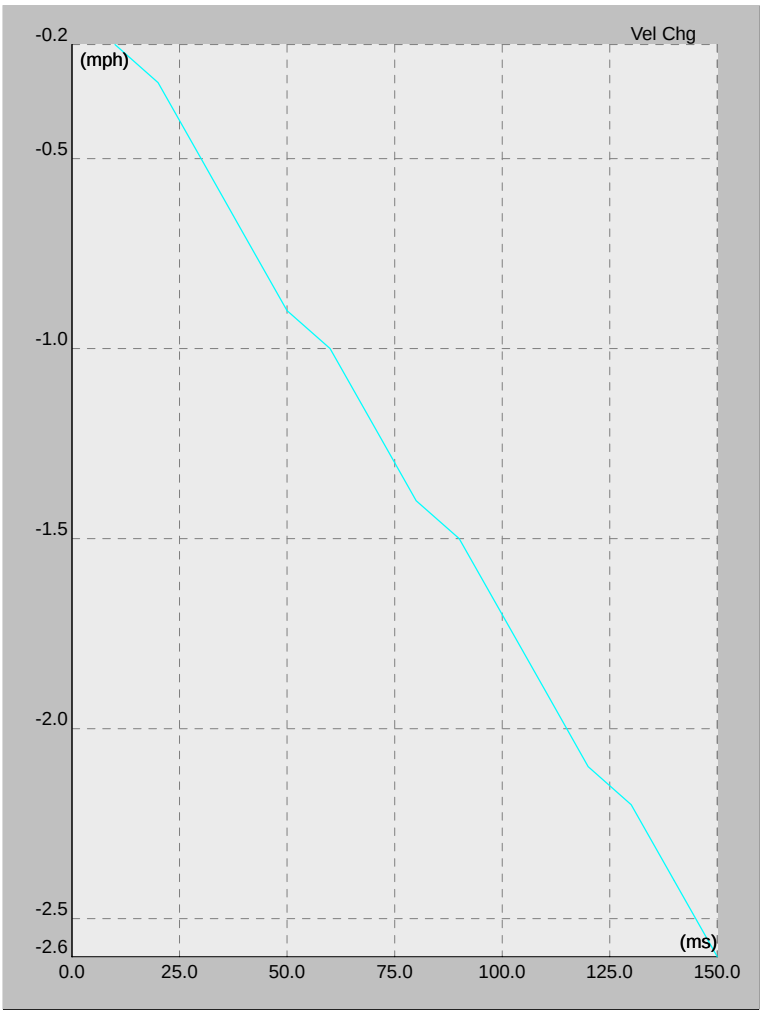
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 9 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted] eCorolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J [redacted]

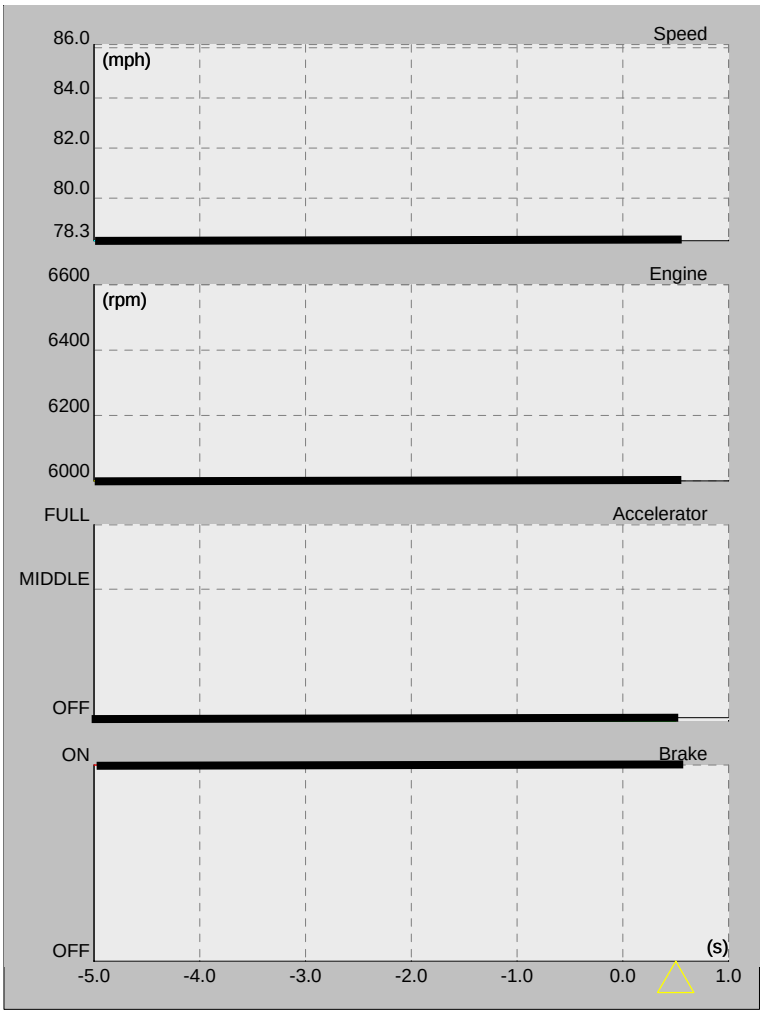
Graph Data

Past max. DeltaV	BANK2

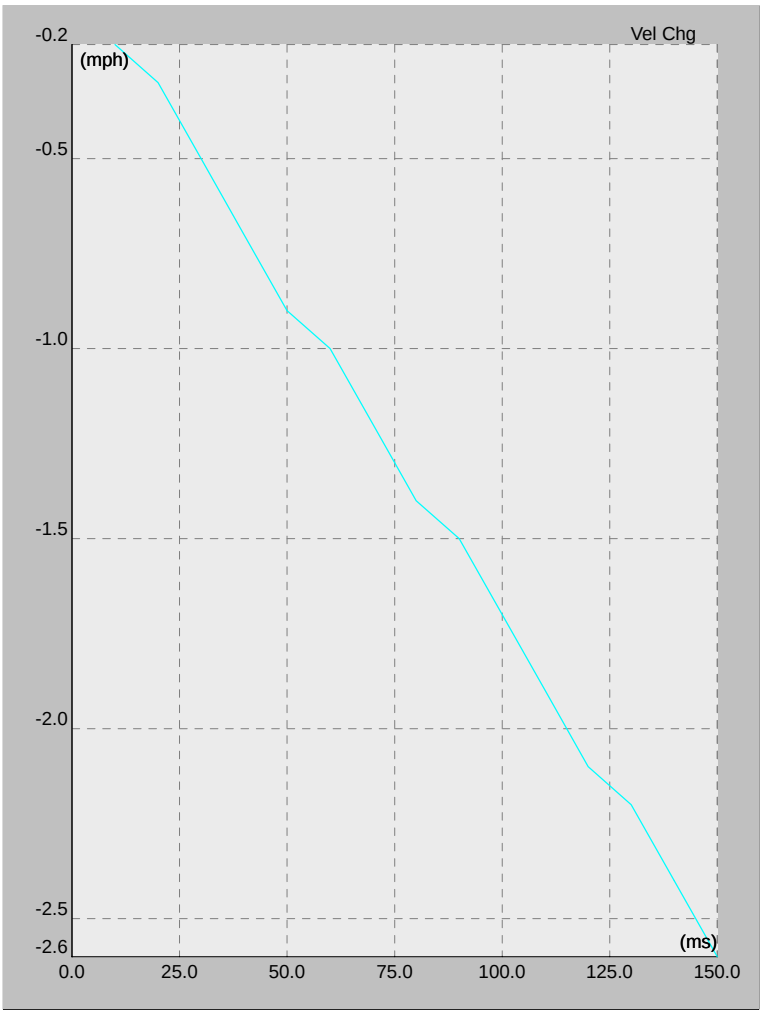
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

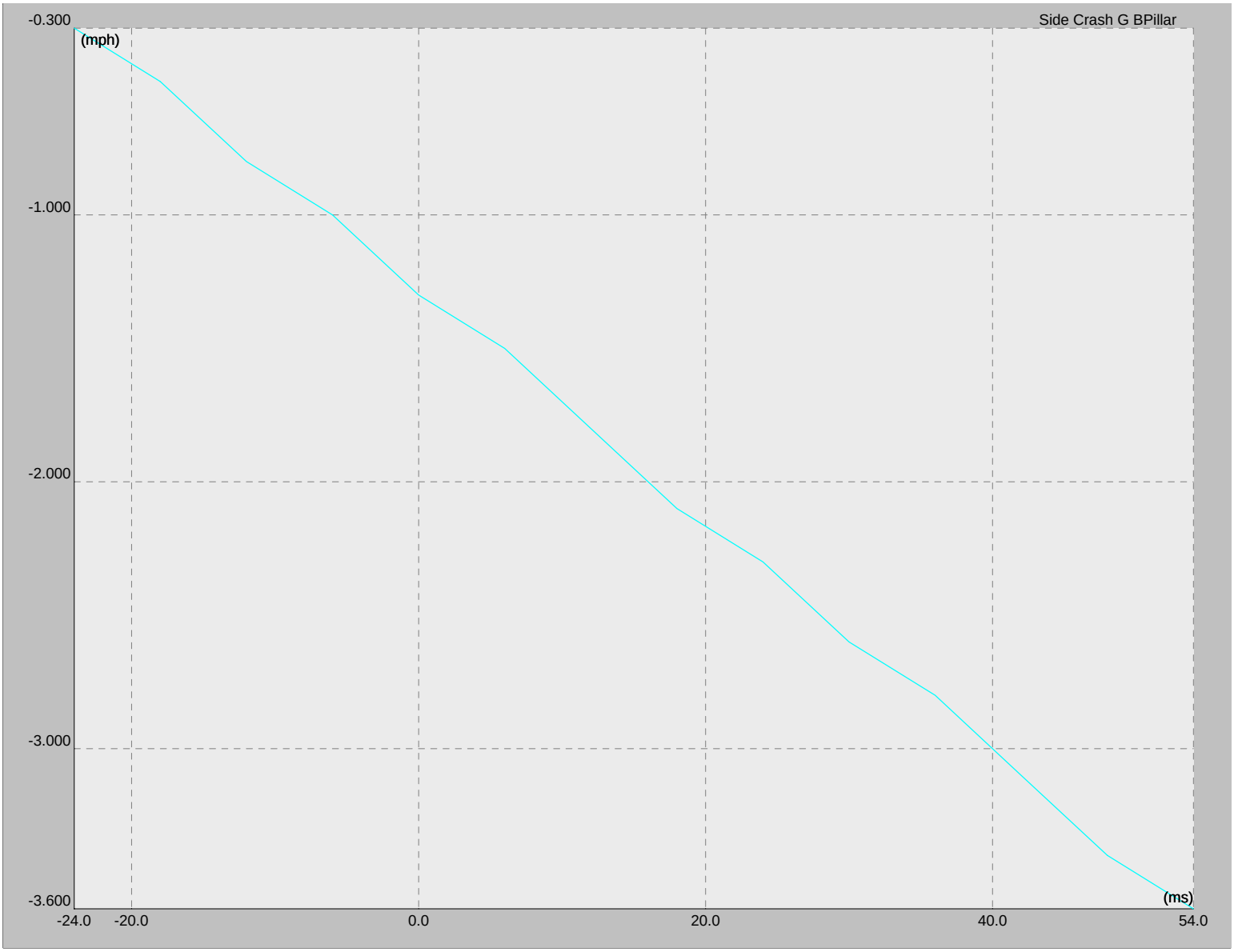
Event Data

Case 9 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted]eCorolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J[redacted]

Graph Data

Graph Name	Side Crash G BPillar
Freeze Signal	Freeze



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.8
-6.0	-1.0
0.0	-1.3
6.0	-1.5
12.0	-1.8
18.0	-2.1
24.0	-2.3
30.0	-2.6
36.0	-2.8
42.0	-3.1
48.0	-3.4
54.0	-3.6

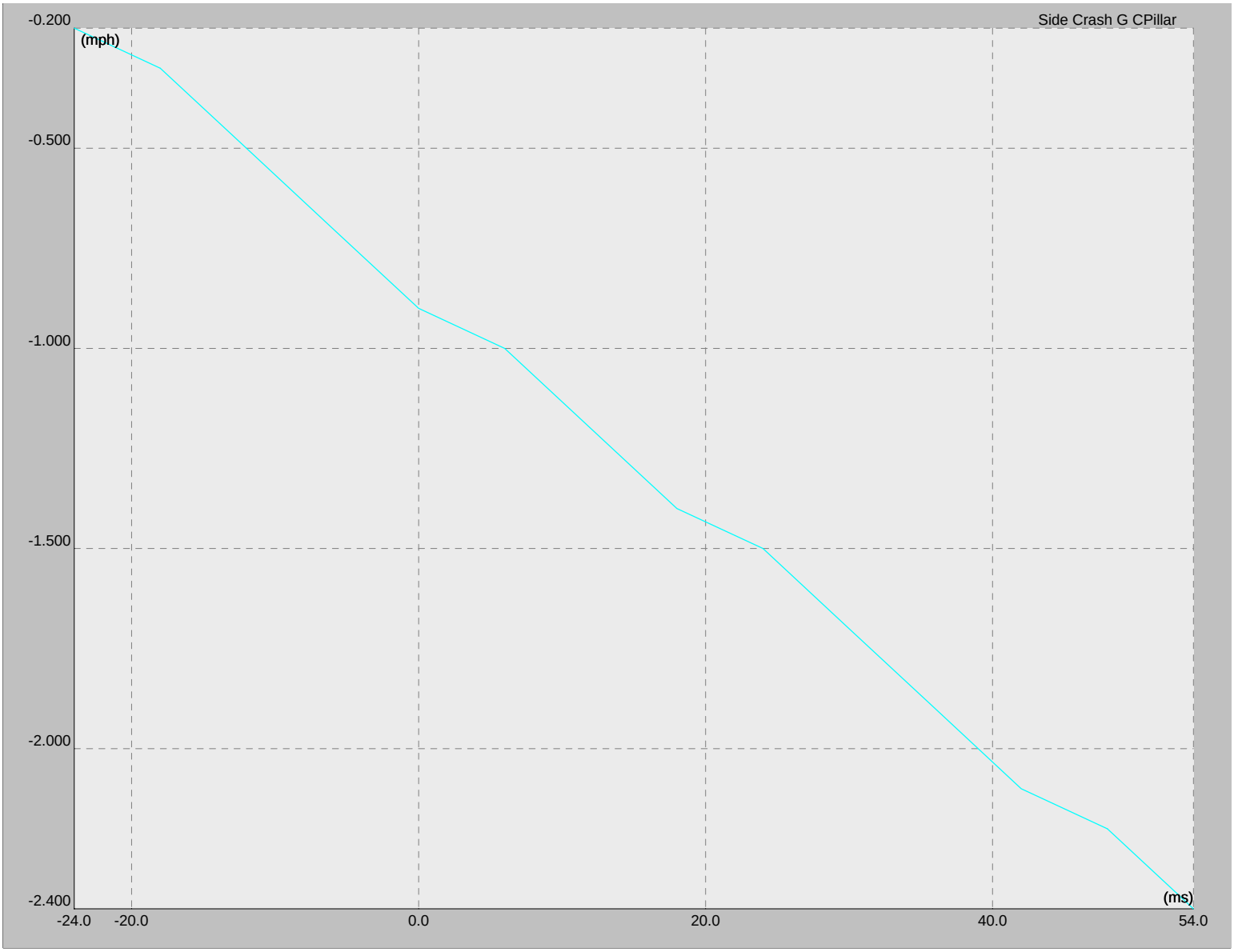
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 9 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted] Corolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J [redacted]

Graph Data

Graph Name	Side Crash G CPillar
Freeze Signal	Freeze



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.7
0.0	-0.9
6.0	-1.0
12.0	-1.2
18.0	-1.4
24.0	-1.5
30.0	-1.7
36.0	-1.9
42.0	-2.1
48.0	-2.2
54.0	-2.4

PROTOTYPE READOUT TOOL REPORT

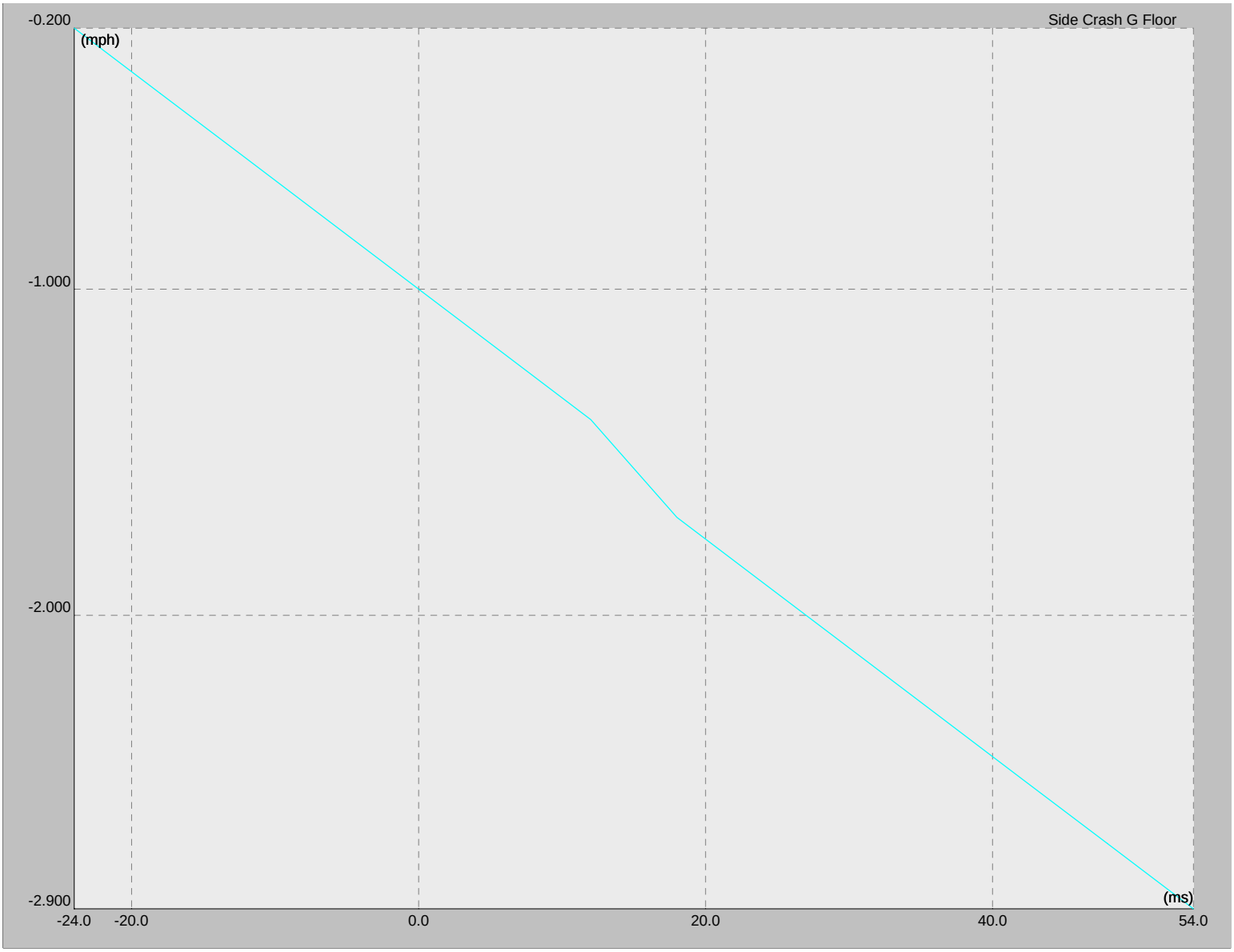
Event Data

Case 9 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	[redacted] 10
VEHICLE	[redacted] Corolla
MODEL YEAR	2008
VIN NUMBER	JTDBL40E29J[redacted]

Graph Data

Graph Name	Side Crash G Floor
Freeze Signal	Freeze



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.2
-18.0	-0.4
-12.0	-0.6
-6.0	-0.8
0.0	-1.0
6.0	-1.2
12.0	-1.4
18.0	-1.7
24.0	-1.9
30.0	-2.1
36.0	-2.3
42.0	-2.5
48.0	-2.7
54.0	-2.9

Case 10

Vehicle MY - Model: 2007 RAV4

Incident Location: Roadway / Traffic

Inspection Prompted by: Complainant stated: While driving at 35 mph, attempted to slow down and when the brake was applied, the vehicle did not stop.

Incident Synopsis: Vehicle was driving on roadway; rear impact of stopped vehicles

Observation: EDR Pre-Crash Data Indicate: No acceleration; modest and declining engine rpm and accelerator application; late brake application (within 1 sec of impact)

See Page 1

Case 10 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

System Information

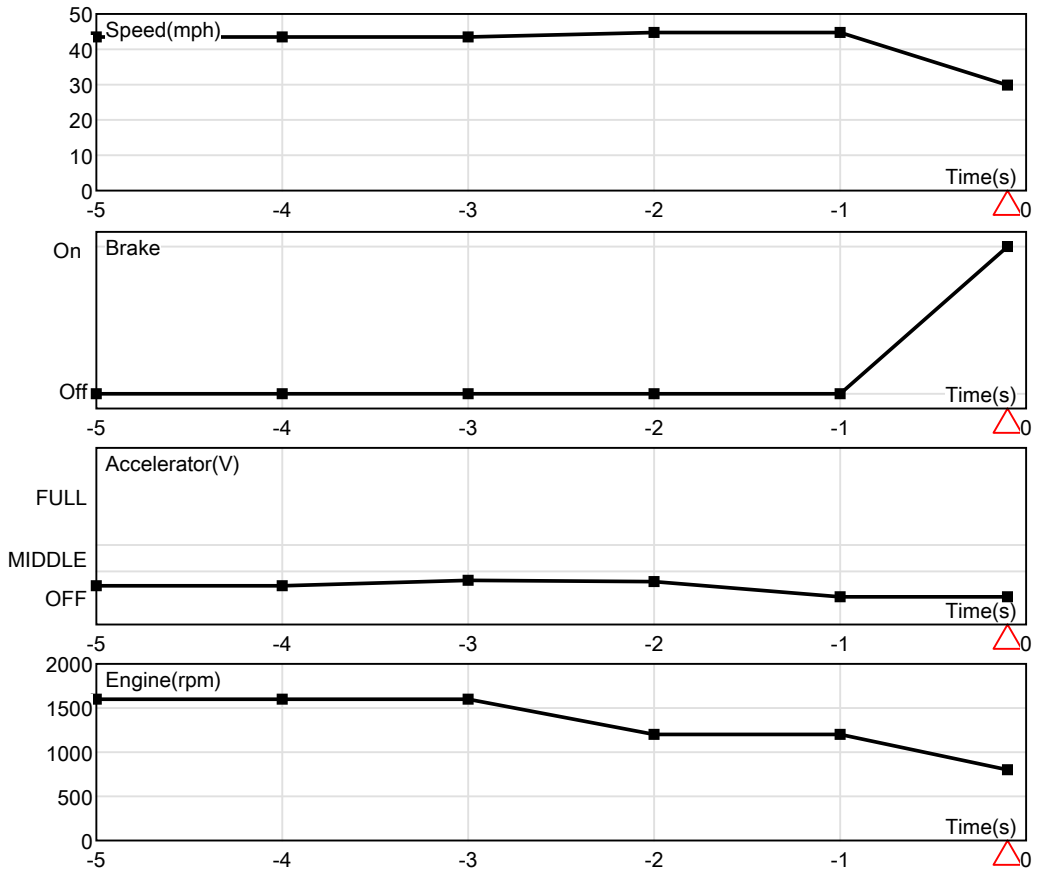
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	43.5	43.5	43.5	44.7	44.7	29.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	ON
Accelerator	:	1.09	1.09	1.25	1.21	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1600	1600	1600	1200	1200	800(rpm)

Time from Last PreCrash Data : 900(ms)

Case 10 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

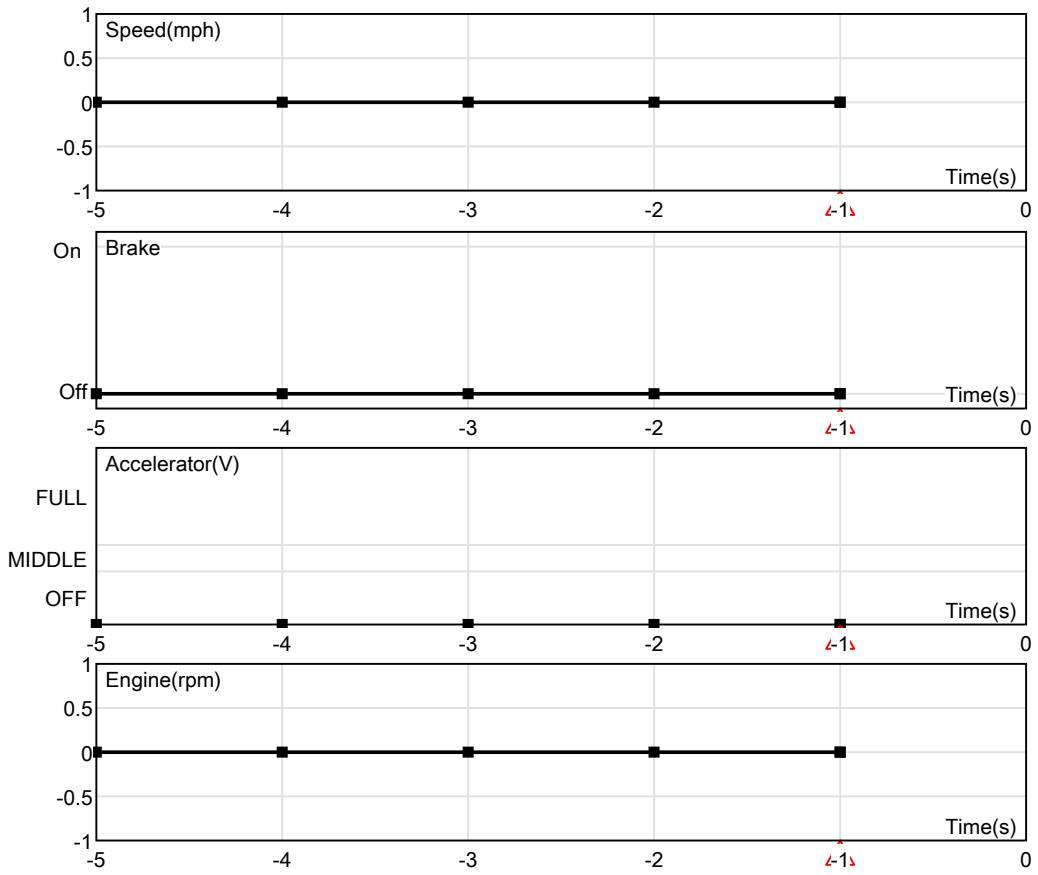
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 10 Complete EDR Image

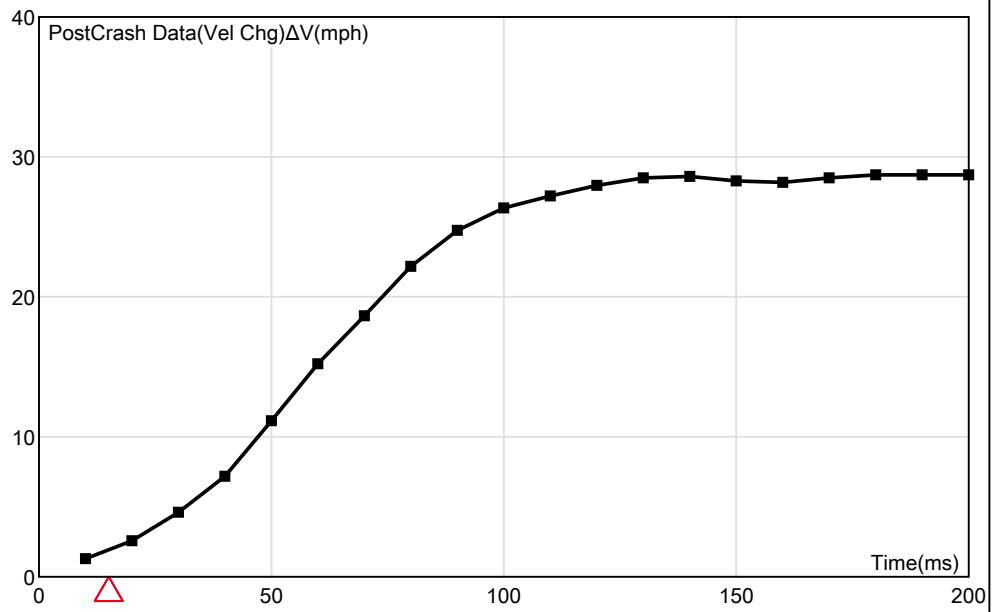
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 22.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 15(ms)
Pretensioner Deployment Time	: 15(ms)
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.3
20	2.6
30	4.6
40	7.2
50	11.1
60	15.2
70	18.6
80	22.2
90	24.7
100	26.4
110	27.2
120	28.0
130	28.5
140	28.6
150	28.3
160	28.2
170	28.5
180	28.7
190	28.7
200	28.7

Case 10 Complete EDR Image

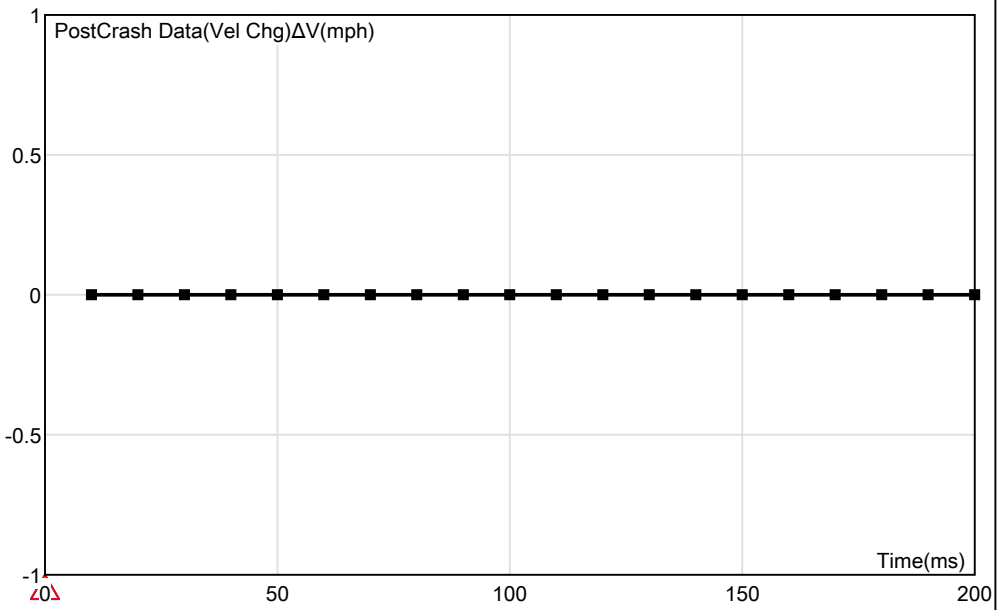
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 10 Complete EDR Image

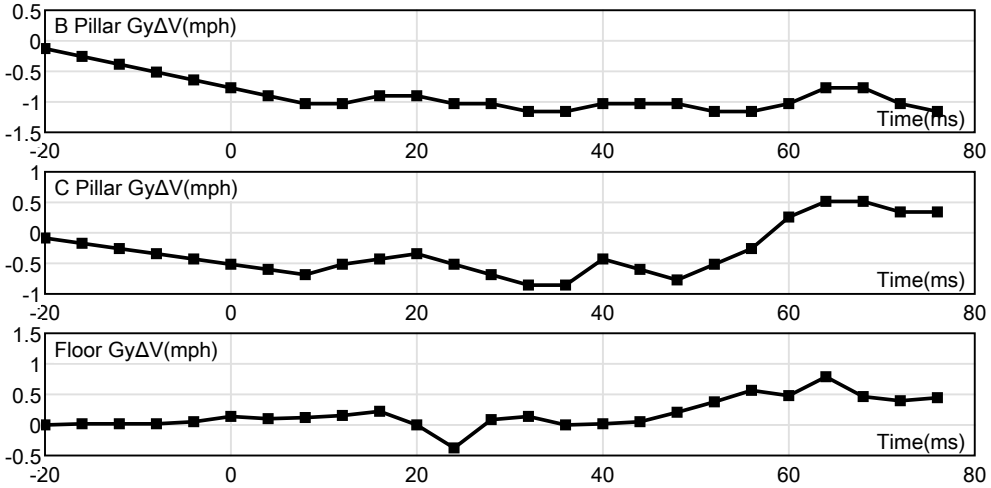
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 7(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	-0.1	-0.1	0.0
-16	-0.3	-0.2	0.0
-12	-0.4	-0.3	0.0
-8	-0.5	-0.3	0.0
-4	-0.6	-0.4	0.1
0	-0.8	-0.5	0.1
4	-0.9	-0.6	0.1
8	-1.0	-0.7	0.1
12	-1.0	-0.5	0.2
16	-0.9	-0.4	0.2
20	-0.9	-0.3	0.0
24	-1.0	-0.5	-0.4
28	-1.0	-0.7	0.1
32	-1.2	-0.9	0.1
36	-1.2	-0.9	0.0
40	-1.0	-0.4	0.0
44	-1.0	-0.6	0.1
48	-1.0	-0.8	0.2
52	-1.2	-0.5	0.4
56	-1.2	-0.3	0.6
60	-1.0	0.3	0.5
64	-0.8	0.5	0.8
68	-0.8	0.5	0.5
72	-1.0	0.3	0.4
76	-1.2	0.3	0.4

Case 10 Complete EDR Image

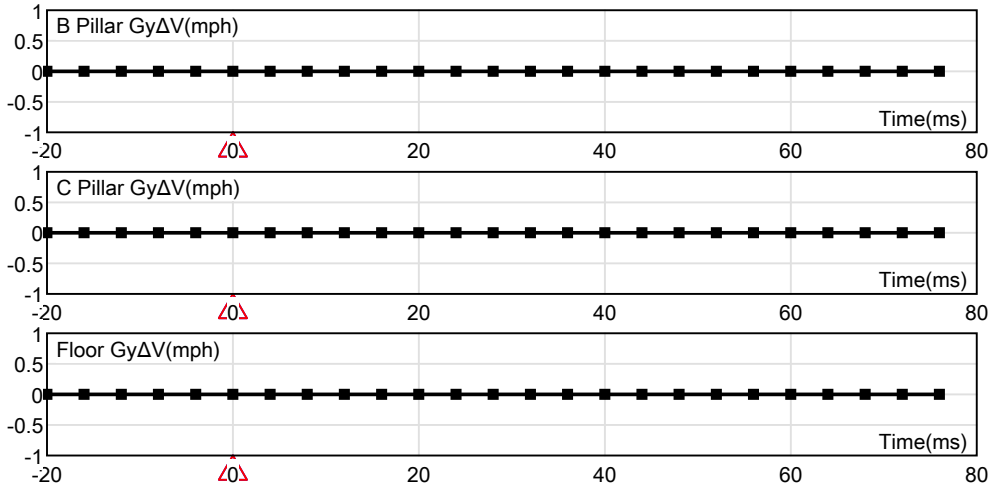
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 10 Complete EDR Image

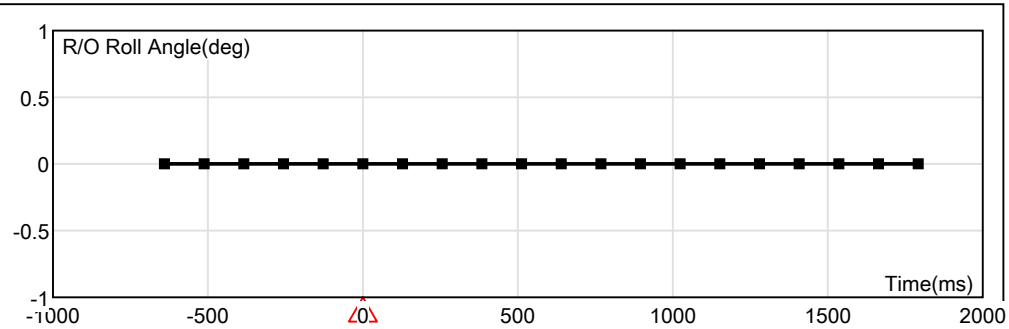
Roll Over Page.0

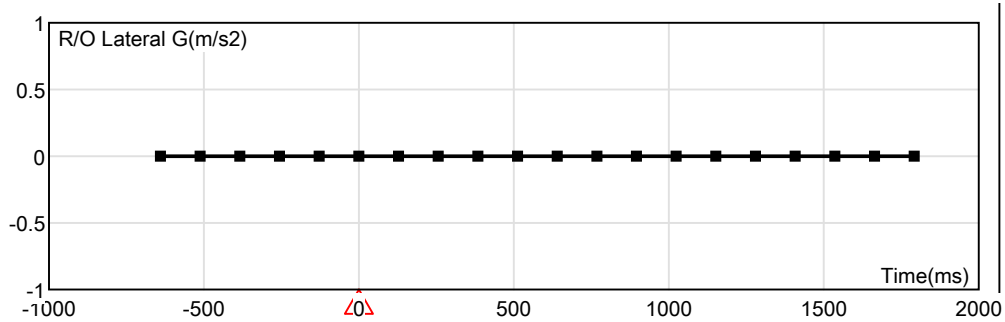
User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms)
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 10 Complete EDR Image

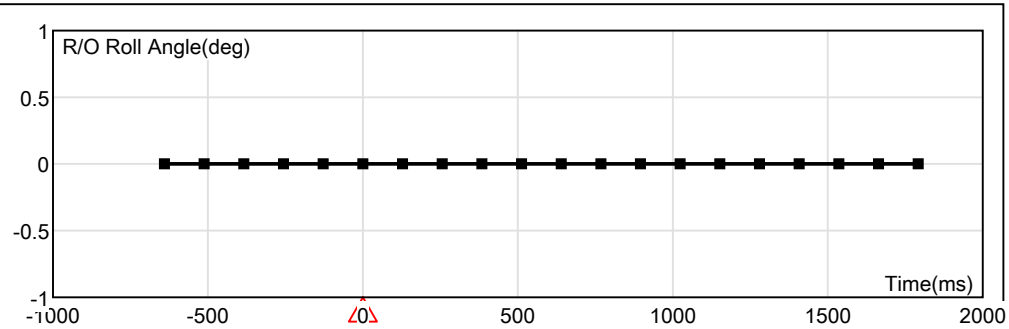
Roll Over Page.1

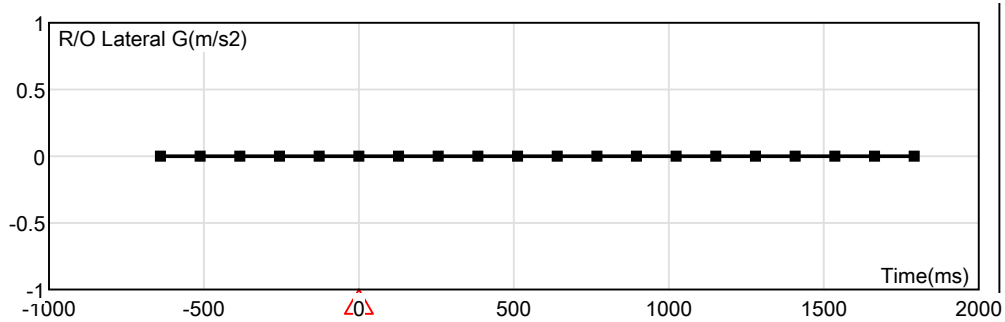
User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms)
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 11

Vehicle MY - Model: 2008 Camry

Incident Location: Parking Lot

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Pulling into parking space; Struck tree

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 11 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

System Information

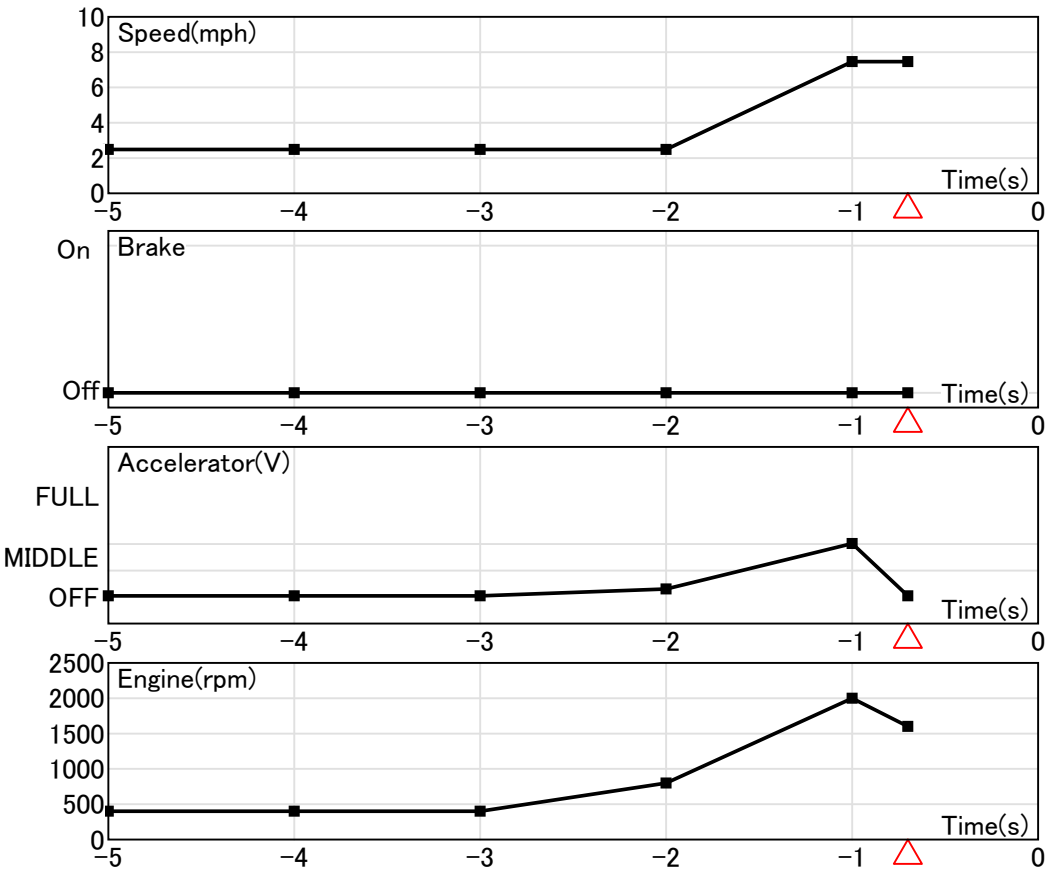
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: AF05
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	2.5	2.5	2.5	2.5	7.5	7.5(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	0.98	2.27	0.78(V)
		OFF	OFF	OFF	OFF	FULL	OFF
Engine	:	400	400	400	800	2000	1600(rpm)

Time from Last PreCrash Data : 300(ms) △

Case 11 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

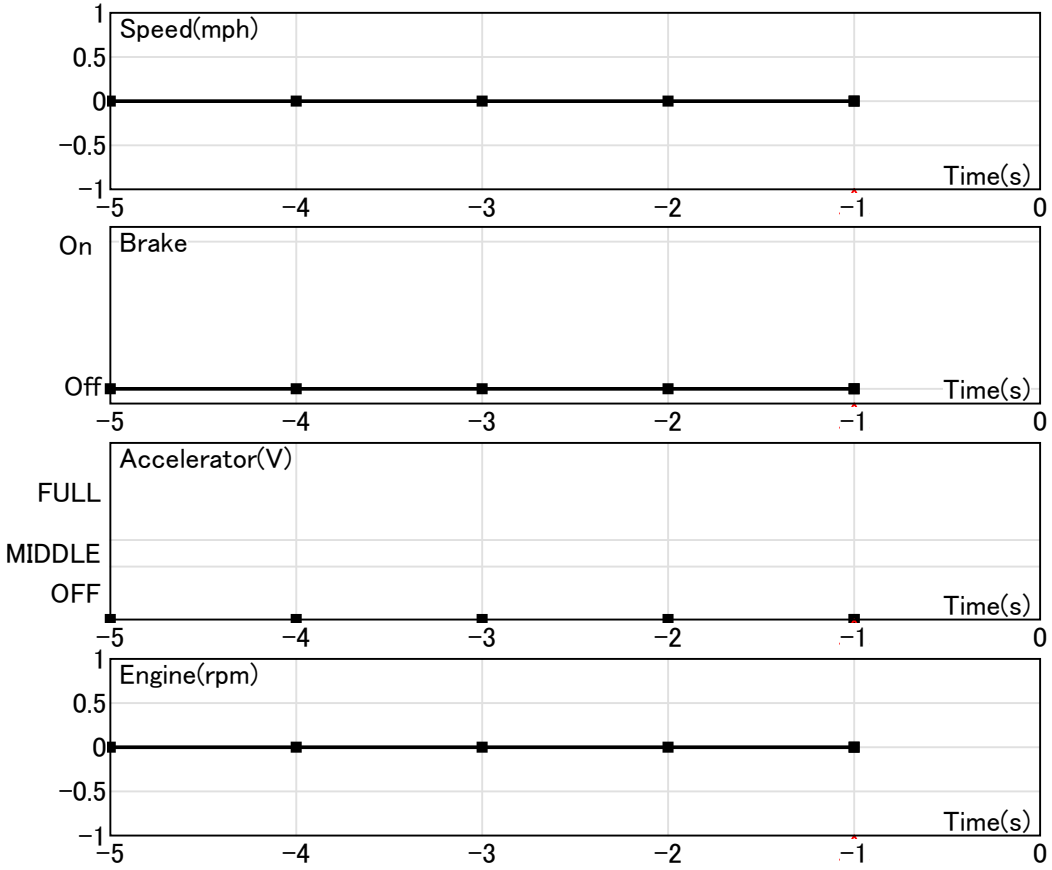
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 11 Complete EDR Image

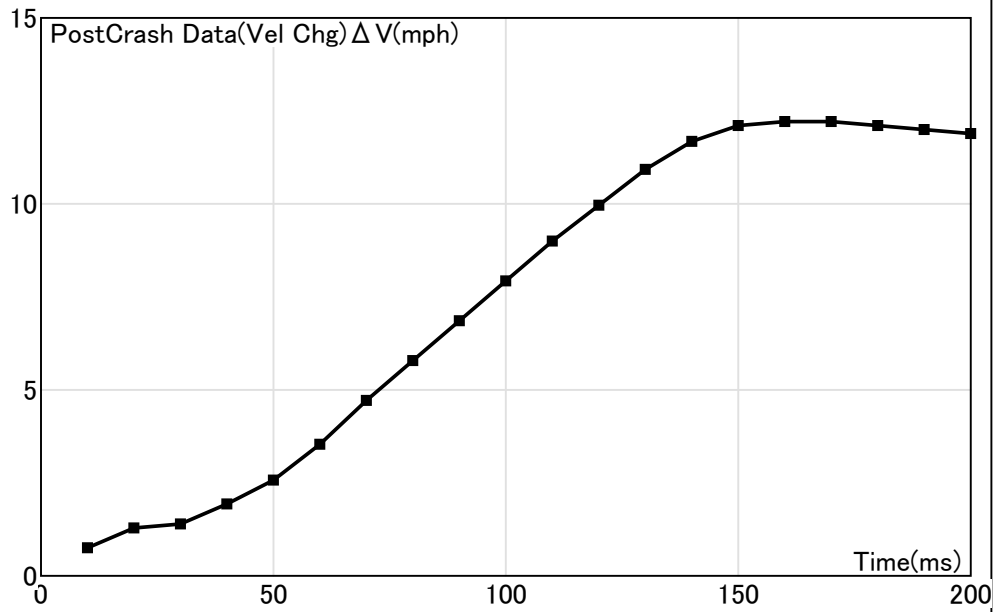
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 8.9(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.7
20	1.3
30	1.4
40	1.9
50	2.6
60	3.5
70	4.7
80	5.8
90	6.9
100	7.9
110	9.0
120	10.0
130	10.9
140	11.7
150	12.1
160	12.2
170	12.2
180	12.1
190	12.0
200	11.9

Case 11 Complete EDR Image

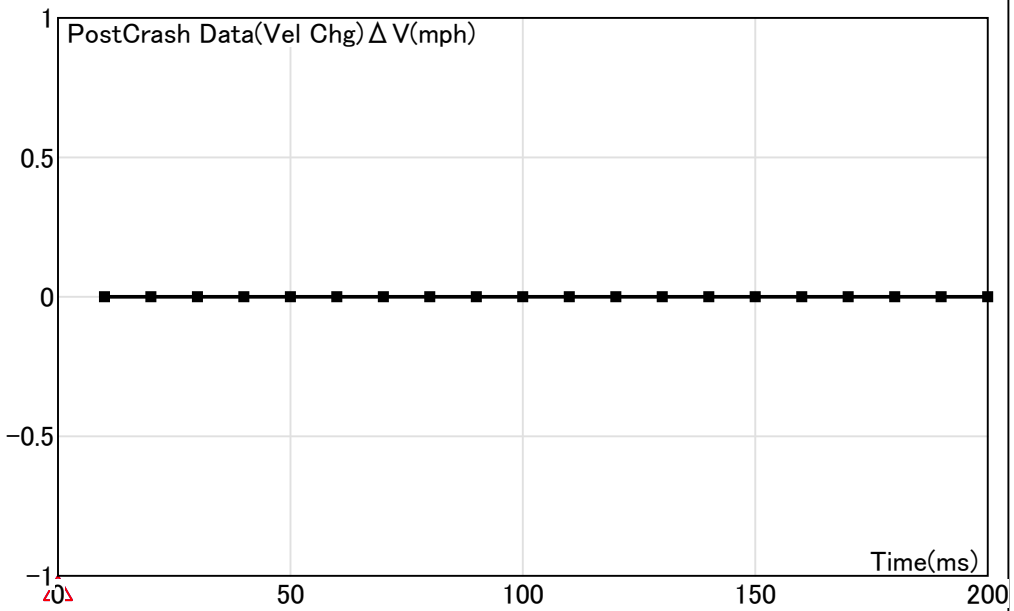
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 11 Complete EDR Image

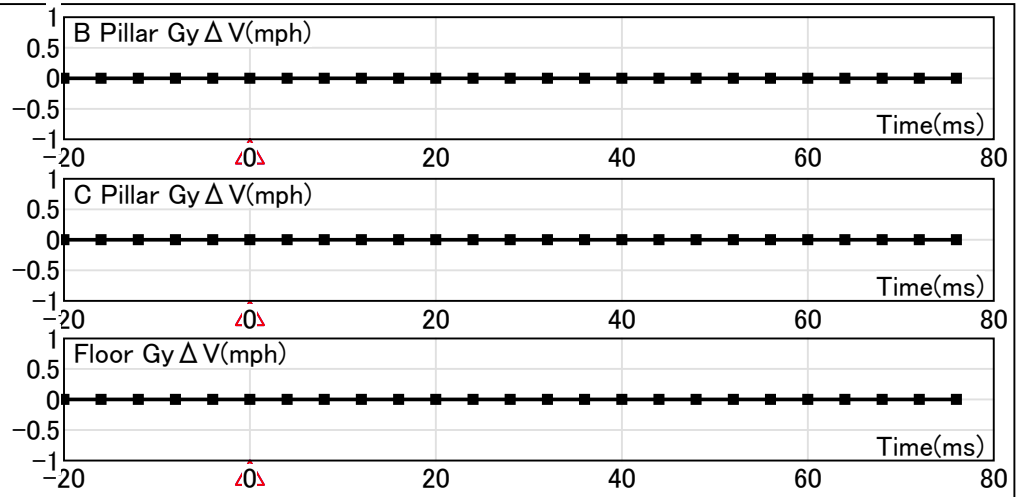
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 11 Complete EDR Image

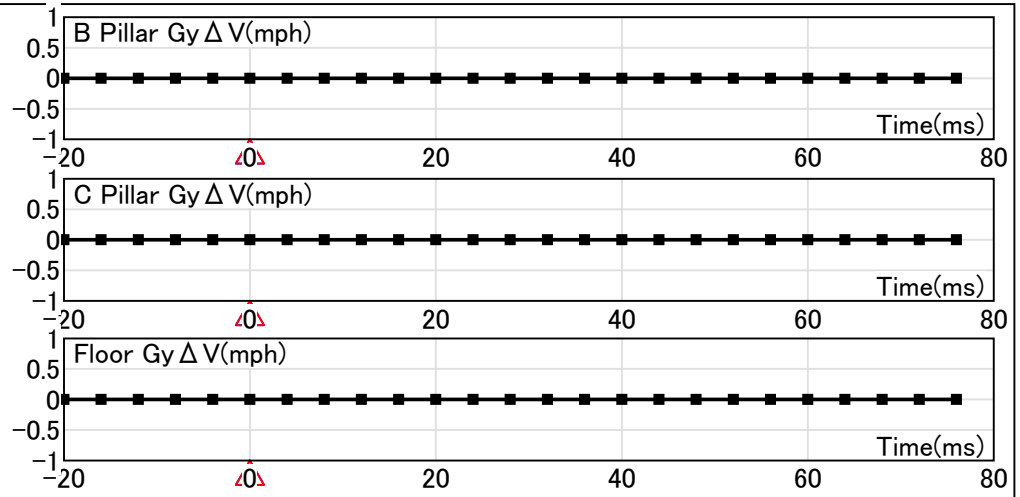
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Camry
Model Year	: 2008
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 12

Vehicle MY - Model: 2007 ES350

Incident Location: Roadway / Gradual Curve

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Vehicle tracked straight through a curve and crossed the centerline during heavy rainfall; Struck another vehicle head-on

Observation: EDR Pre-Crash Data Indicate: Accelerator position went from low to idle, no brake application or acceleration indicated

See Page 1

Case 12 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

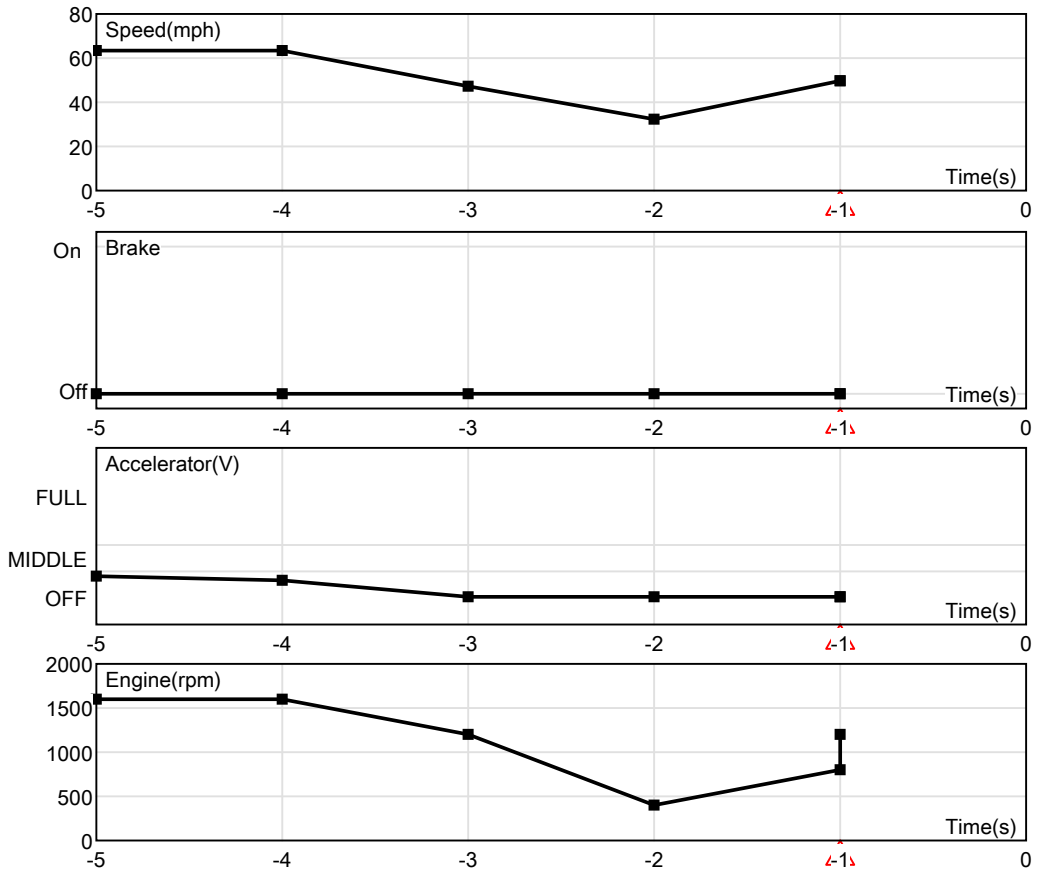
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	63.4	63.4	47.2	32.3	49.7	49.7(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.37	1.25	0.78	0.78	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1600	1600	1200	400	800	1200(rpm)

Time from Last PreCrash Data : 0(ms)

Case 12 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

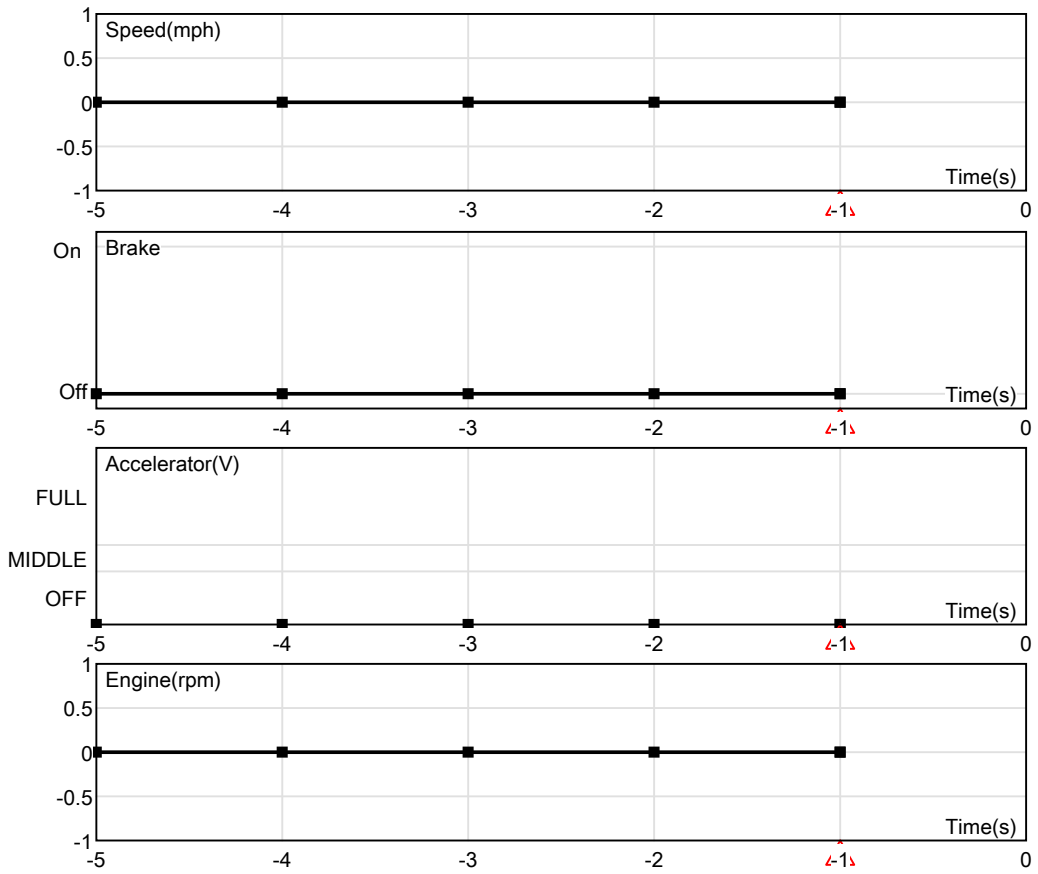
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 12 Complete EDR Image

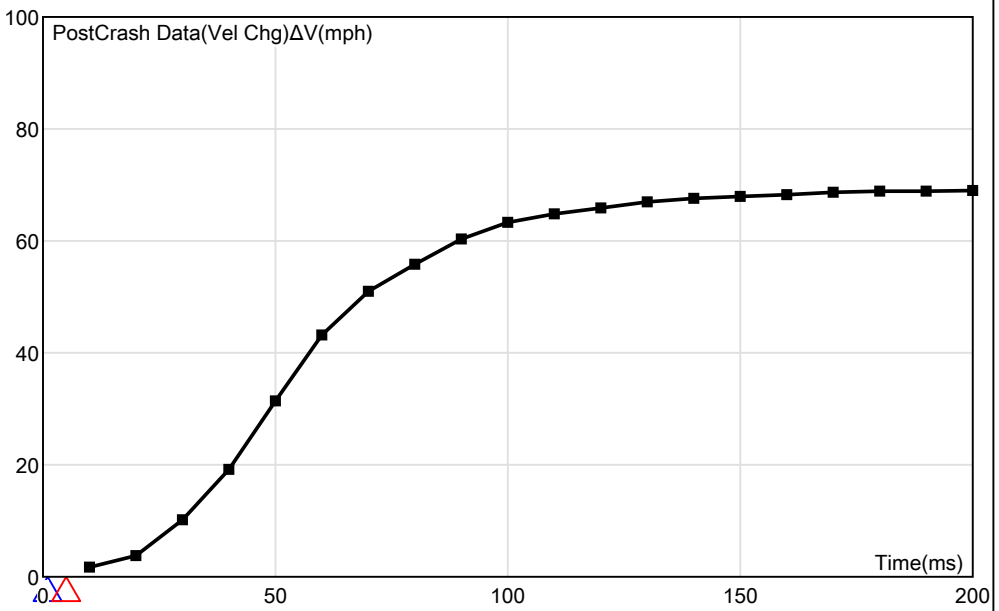
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 54.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 5(ms)
Pretensioner Deployment Time	: 1(ms)
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.7
20	3.7
30	10.2
40	19.2
50	31.4
60	43.2
70	51.0
80	55.8
90	60.3
100	63.3
110	64.8
120	65.9
130	67.0
140	67.6
150	67.9
160	68.2
170	68.7
180	68.9
190	68.9
200	69.0

Case 12 Complete EDR Image

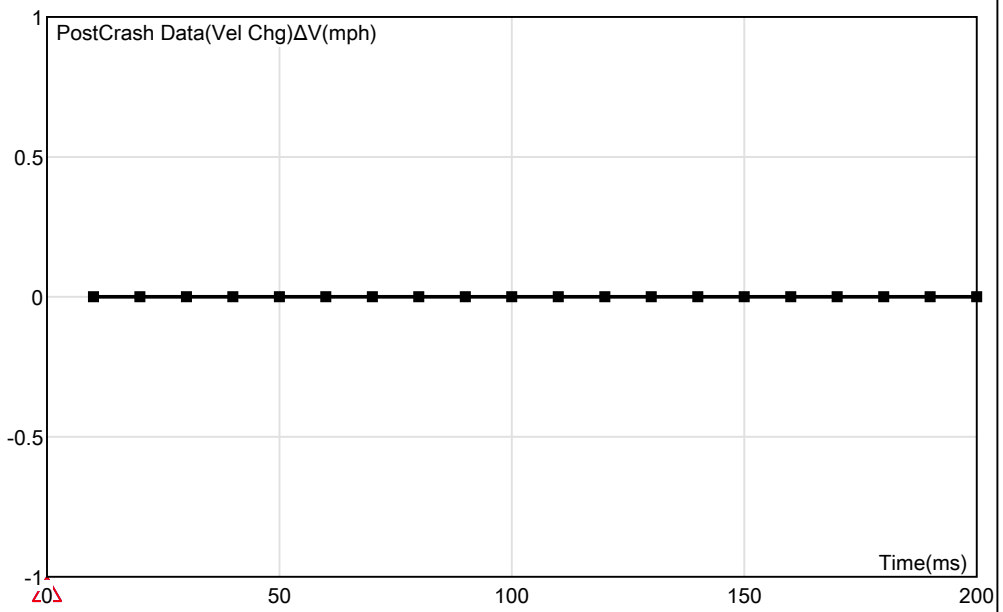
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 12 Complete EDR Image

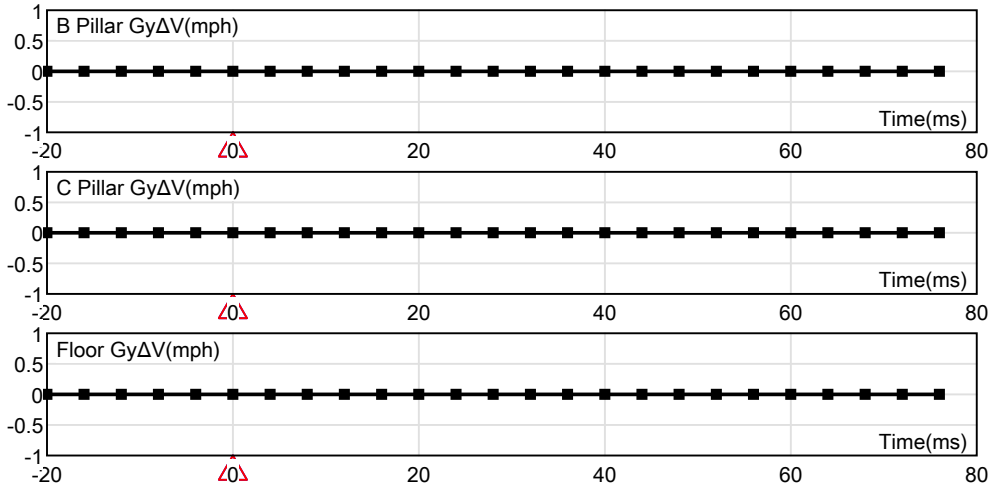
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 12 Complete EDR Image

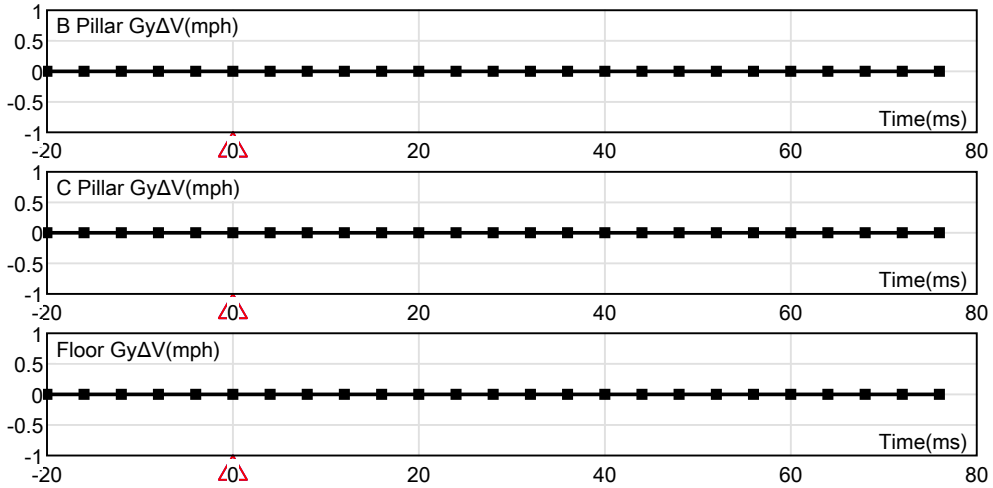
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: **
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 13

Vehicle MY - Model: 2004 Highlander

Incident Location: Parking Space

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Exited parking spot, vehicle traversed parking lot; Struck a dumpster and tree before intruding into a building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 13 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] highlander[redacted] 10
MODEL YEAR	2004
VIN NUMBER	

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-48110
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	0 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 13 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] highlander [redacted] 10
MODEL YEAR	2004
VIN NUMBER	

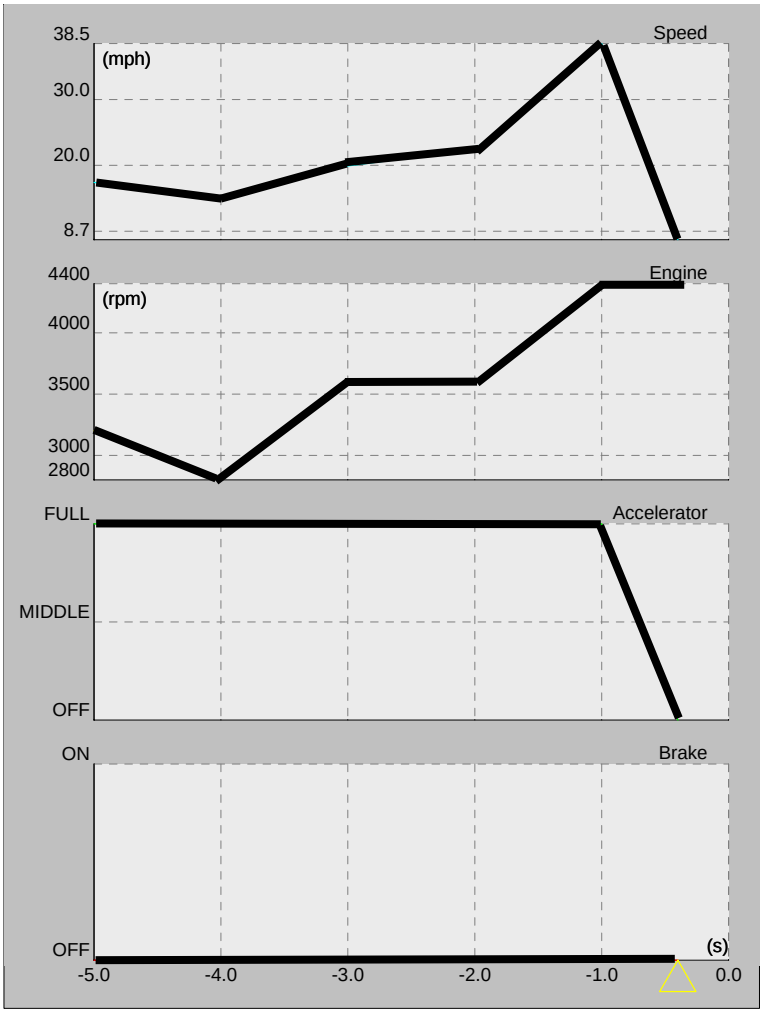
Graph Data

Latest/Frozen	BANK1

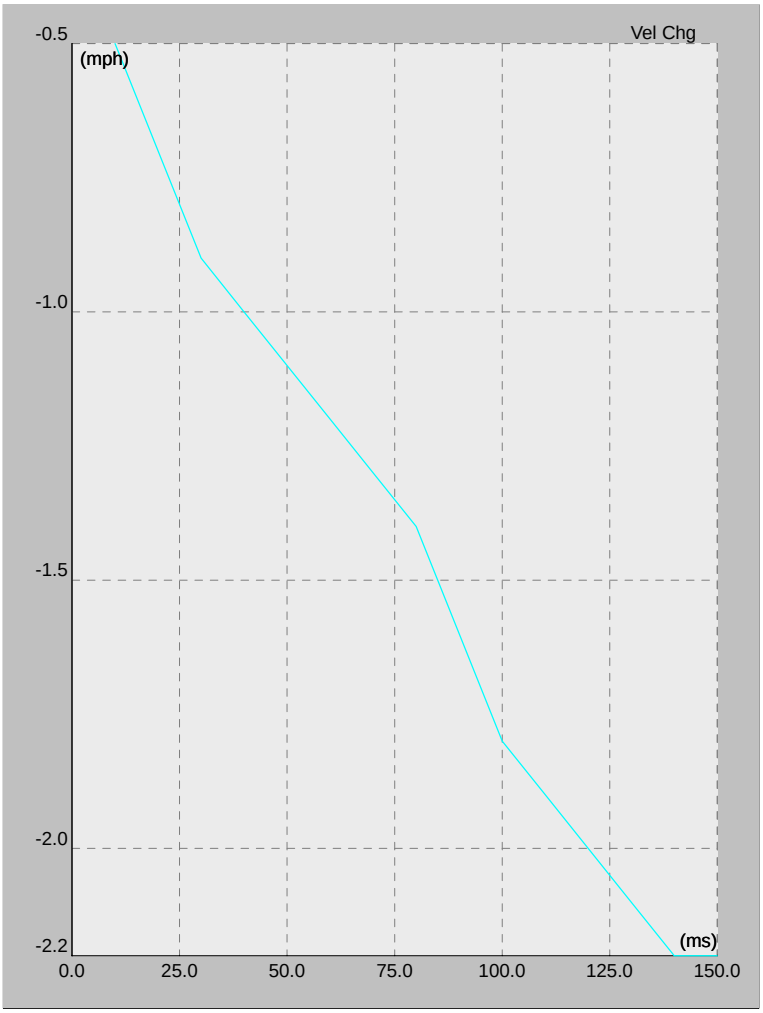
Individual Data

Data Name	Data
Time From Previous Event	600 ms
Time From Last PreCrash Data	600 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	3 times
Lamp On Term	90 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	5 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	17.4	3200	FULL	OFF	-0.4	8.7	4400	OFF	OFF
-4.0	14.9	2800	FULL	OFF					
-3.0	19.9	3600	FULL	OFF					
-2.0	22.4	3600	FULL	OFF					
-1.0	38.5	4400	FULL	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.5	60.0	-1.2	110.0	-1.9
20.0	-0.7	70.0	-1.3	120.0	-2.0
30.0	-0.9	80.0	-1.4	130.0	-2.1
40.0	-1.0	90.0	-1.6	140.0	-2.2
50.0	-1.1	100.0	-1.8	150.0	-2.2

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 13 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] highlander [redacted] 10
MODEL YEAR	2004
VIN NUMBER	

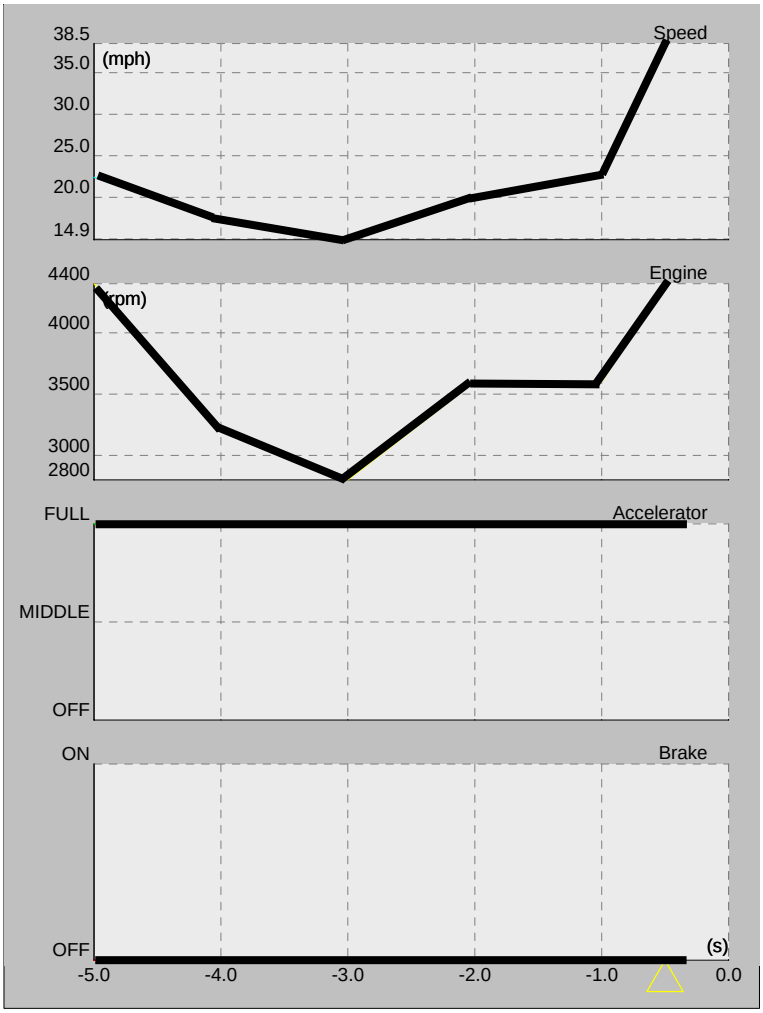
Graph Data

Next most recent	BANK0

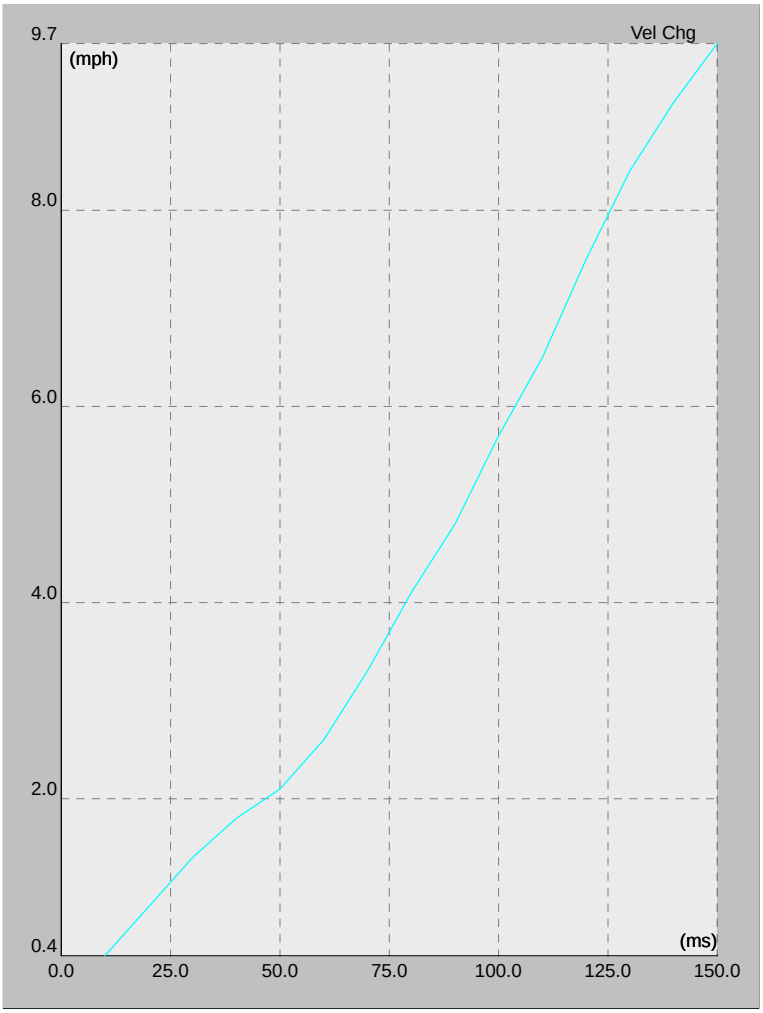
Individual Data

Data Name	Data
Time From Previous Event	520 ms
Time From Last PreCrash Data	500 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	3 times
Lamp On Term	90 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	4 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	22.4	4400	FULL	OFF	-0.5	38.5	4400	FULL	OFF
-4.0	17.4	3200	FULL	OFF					
-3.0	14.9	2800	FULL	OFF					
-2.0	19.9	3600	FULL	OFF					
-1.0	22.4	3600	FULL	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	2.6	110.0	6.5
20.0	0.9	70.0	3.3	120.0	7.5
30.0	1.4	80.0	4.1	130.0	8.4
40.0	1.8	90.0	4.8	140.0	9.1
50.0	2.1	100.0	5.7	150.0	9.7

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 13 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] highlander [redacted] 10
MODEL YEAR	2004
VIN NUMBER	

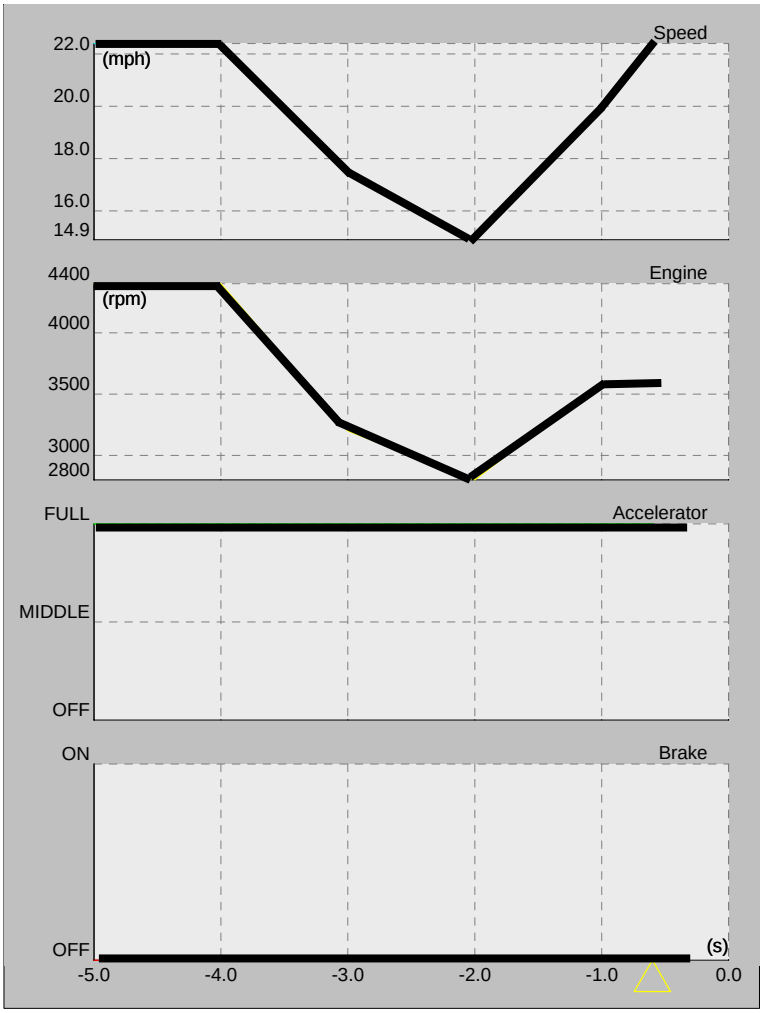
Graph Data

Past max. DeltaV	BANK2

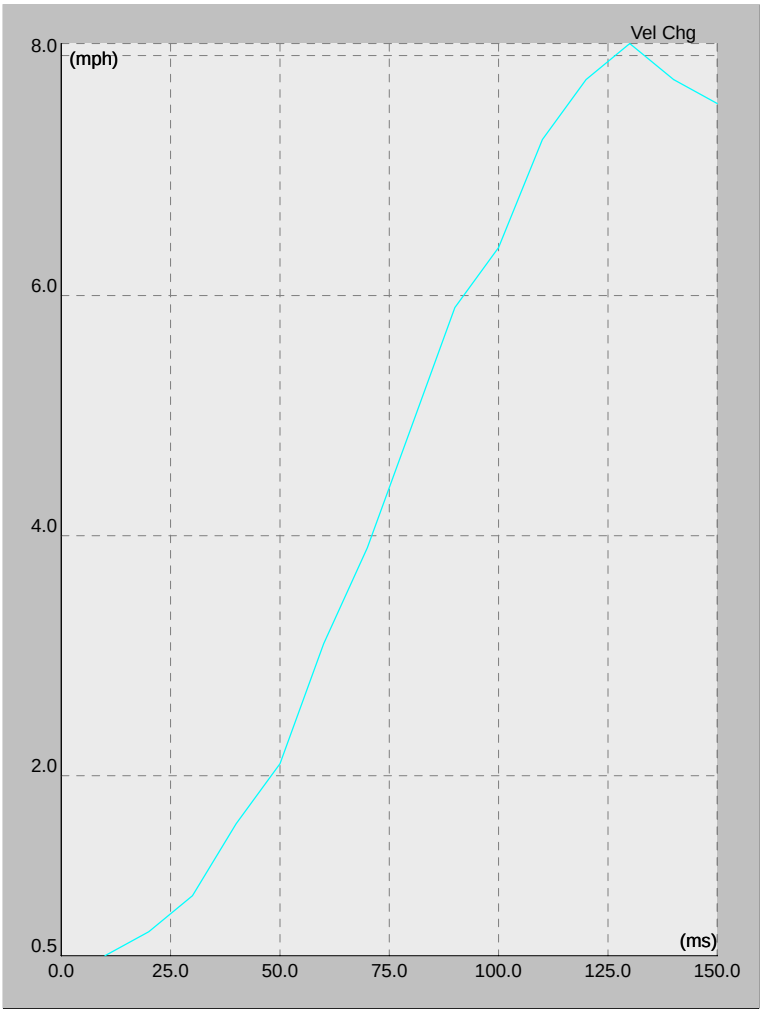
Individual Data

Data Name	Data
Time From Previous Event	3340 ms
Time From Last PreCrash Data	400 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	3 times
Lamp On Term	90 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	3 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	22.4	4400	FULL	OFF	-0.6	22.4	3600	FULL	OFF
-4.0	22.4	4400	FULL	OFF					
-3.0	17.4	3200	FULL	OFF					
-2.0	14.9	2800	FULL	OFF					
-1.0	19.9	3600	FULL	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	3.1	110.0	7.3
20.0	0.7	70.0	3.9	120.0	7.8
30.0	1.0	80.0	4.9	130.0	8.1
40.0	1.6	90.0	5.9	140.0	7.8
50.0	2.1	100.0	6.4	150.0	7.6

Case 14

Vehicle MY - Model: 2007 Camry

Incident Location: Highway

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Vehicle left the highway; Struck guard-wire, tree, rolled over

Observation: EDR Pre-Crash Data Indicate: Constant vehicle & engine speed, low acclerator position with slight increase at the end, all consistent with steady state highway travel; No brake application indicated

See Page 1

Case 14 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

System Information

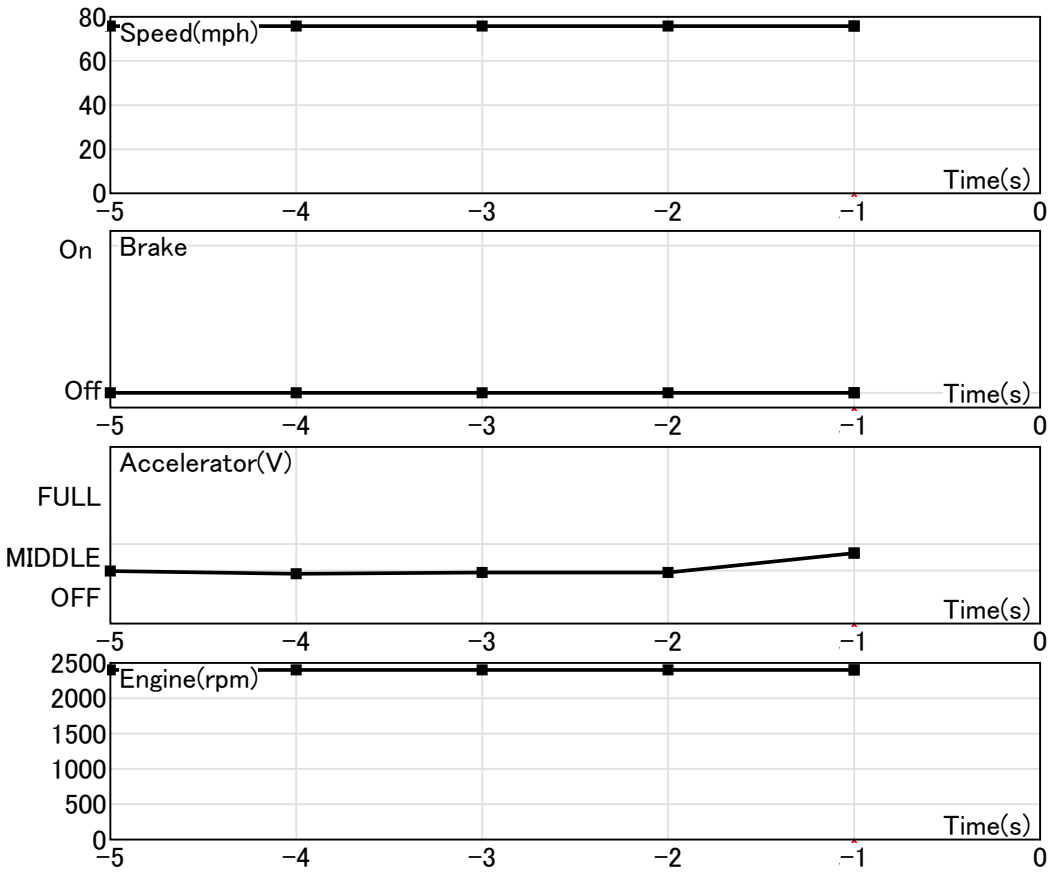
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	75.8	75.8	75.8	75.8	75.8	75.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.48	1.41	1.45	1.45	1.99	1.99(V)
		OFF	OFF	OFF	OFF	MIDDLE	MIDDLE
Engine	:	2400	2400	2400	2400	2400	2400(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 14 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

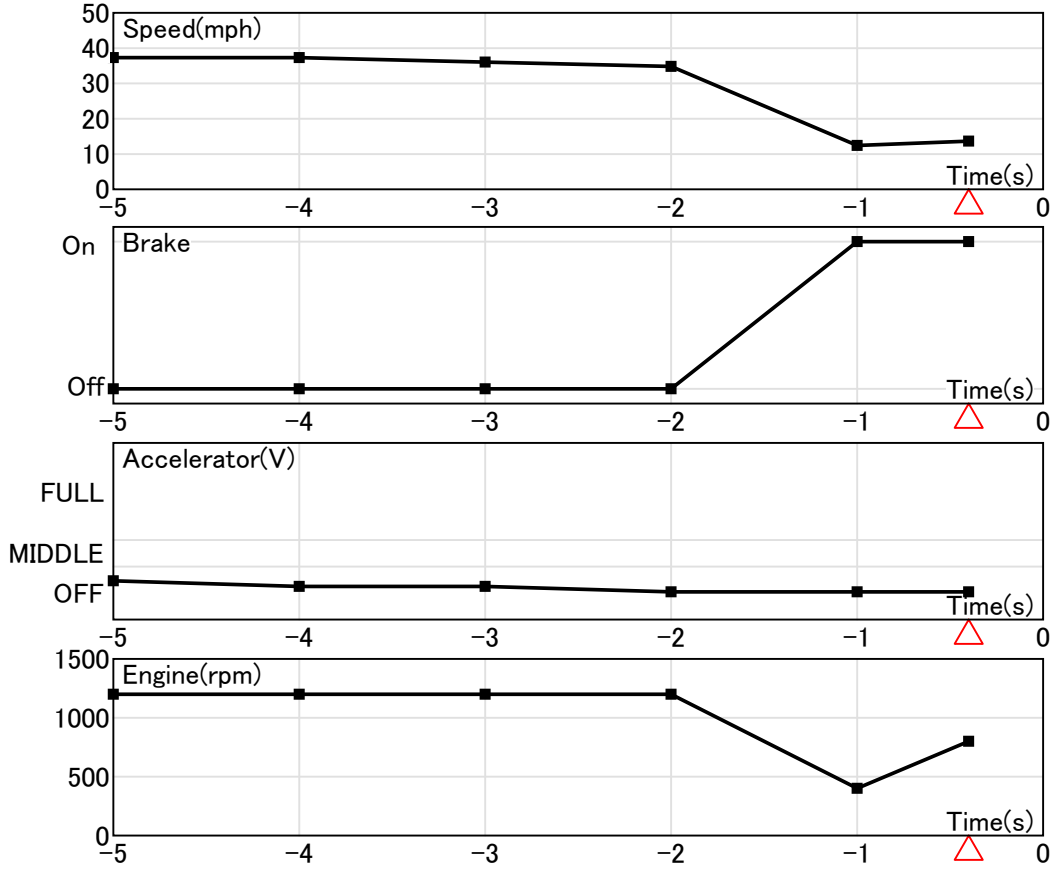
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	37.3	37.3	36.0	34.8	12.4	13.7(mph)
Brake	:	OFF	OFF	OFF	OFF	ON	ON
Accelerator	:	1.09	0.94	0.94	0.78	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1200	1200	1200	1200	400	800(rpm)

Time from Last PreCrash Data : 600(ms) △

Case 14 Complete EDR Image

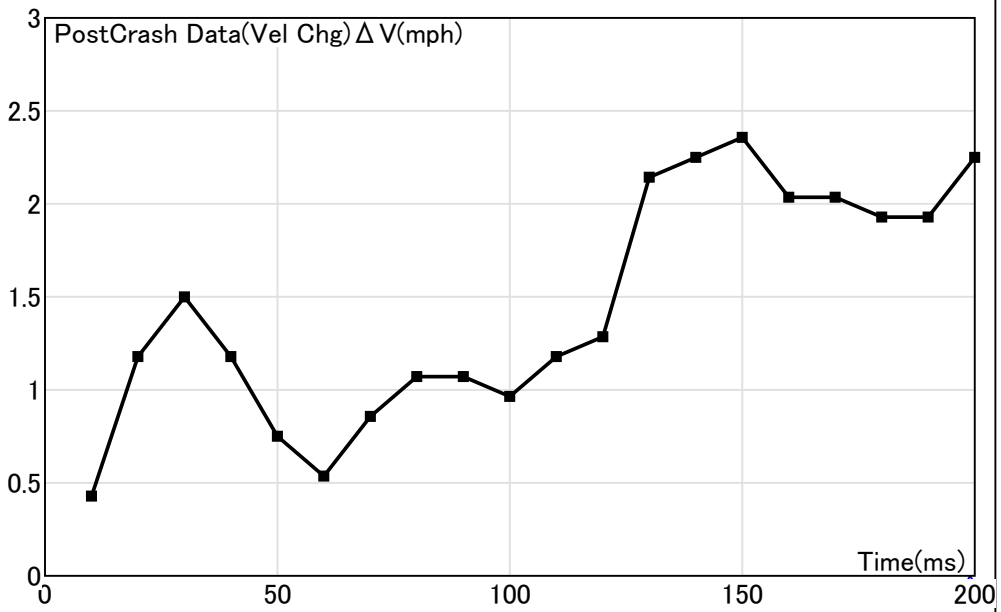
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 1.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 10(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 250(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: 199(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	1.2
30	1.5
40	1.2
50	0.7
60	0.5
70	0.9
80	1.1
90	1.1
100	1.0
110	1.2
120	1.3
130	2.1
140	2.2
150	2.4
160	2.0
170	2.0
180	1.9
190	1.9
200	2.2

Case 14 Complete EDR Image

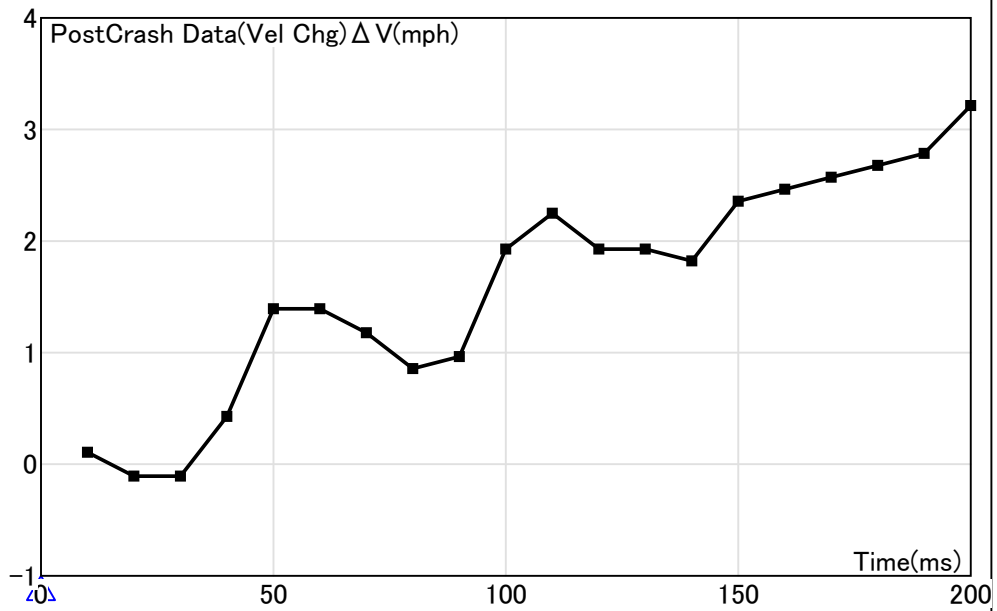
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 1.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 11(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 451(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.1
20	−0.1
30	−0.1
40	0.4
50	1.4
60	1.4
70	1.2
80	0.9
90	1.0
100	1.9
110	2.2
120	1.9
130	1.9
140	1.8
150	2.4
160	2.5
170	2.6
180	2.7
190	2.8
200	3.2

Case 14 Complete EDR Image

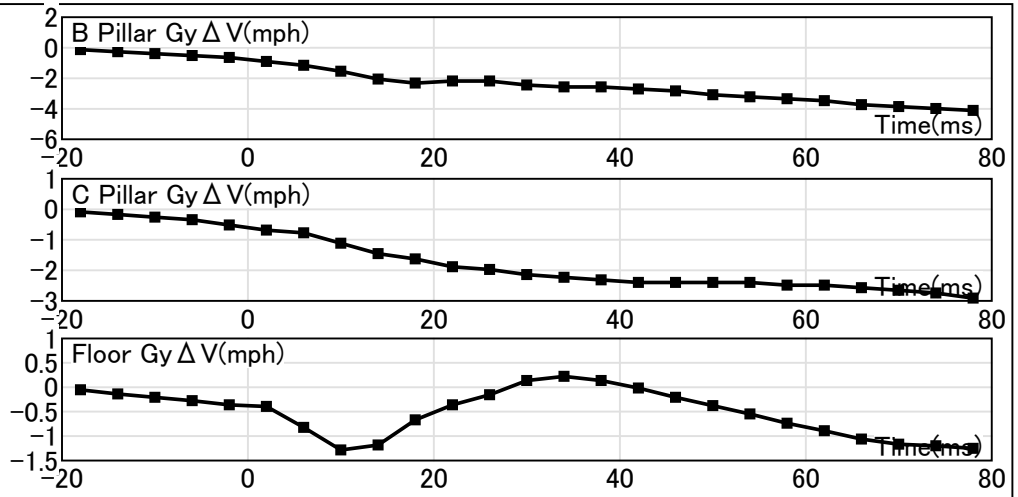
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 7(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	-0.1	-0.1	-0.1
-14	-0.3	-0.2	-0.1
-10	-0.4	-0.3	-0.2
-6	-0.5	-0.3	-0.3
-2	-0.6	-0.5	-0.4
2	-0.9	-0.7	-0.4
6	-1.2	-0.8	-0.8
10	-1.5	-1.1	-1.3
14	-2.1	-1.5	-1.2
18	-2.3	-1.6	-0.7
22	-2.2	-1.9	-0.4
26	-2.2	-2.0	-0.2
30	-2.4	-2.1	0.1
34	-2.6	-2.2	0.2
38	-2.6	-2.3	0.1
42	-2.7	-2.4	-0.0
46	-2.8	-2.4	-0.2
50	-3.1	-2.4	-0.4
54	-3.2	-2.4	-0.5
58	-3.3	-2.5	-0.7
62	-3.5	-2.5	-0.9
66	-3.7	-2.6	-1.1
70	-3.9	-2.7	-1.2
74	-4.0	-2.7	-1.2
78	-4.1	-2.9	-1.3

Case 14 Complete EDR Image

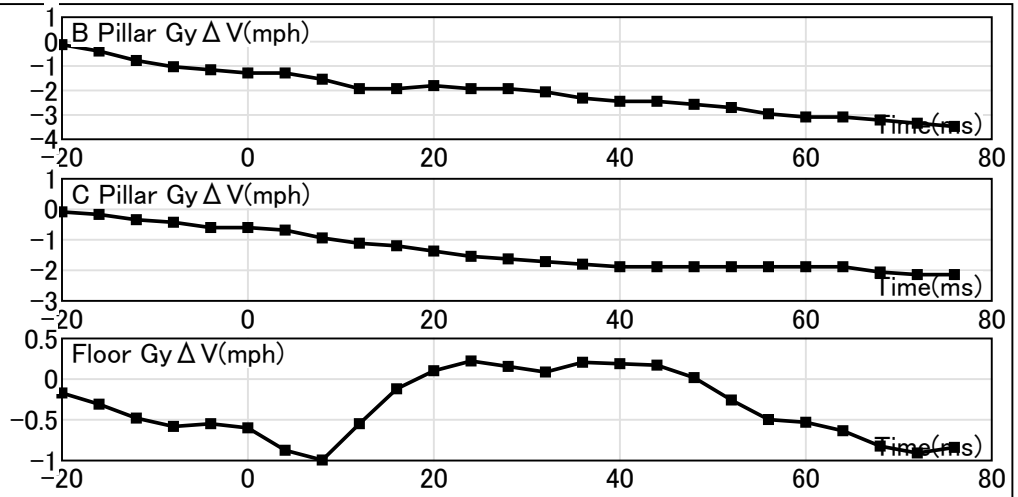
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: 2007 Camry
Model Year	:
VIN Number	:
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 9(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 134(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	-0.1	-0.1	-0.2
-16	-0.4	-0.2	-0.3
-12	-0.8	-0.3	-0.5
-8	-1.0	-0.4	-0.6
-4	-1.2	-0.6	-0.5
0	-1.3	-0.6	-0.6
4	-1.3	-0.7	-0.9
8	-1.5	-0.9	-1.0
12	-1.9	-1.1	-0.5
16	-1.9	-1.2	-0.1
20	-1.8	-1.4	0.1
24	-1.9	-1.5	0.2
28	-1.9	-1.6	0.2
32	-2.1	-1.7	0.1
36	-2.3	-1.8	0.2
40	-2.4	-1.9	0.2
44	-2.4	-1.9	0.2
48	-2.6	-1.9	0.0
52	-2.7	-1.9	-0.3
56	-3.0	-1.9	-0.5
60	-3.1	-1.9	-0.5
64	-3.1	-1.9	-0.6
68	-3.2	-2.1	-0.8
72	-3.3	-2.1	-0.9
76	-3.5	-2.1	-0.8

Case 15

Vehicle MY - Model: 2007 ES350

Incident Location: Highway

Inspection Prompted by: Insurance contact alleged a potential unintended acceleration incident

Incident Synopsis: Approaching highway exit, vehicle accelerated; continued down exit ramp, traversed intersection, departed the roadway

Observation: EDR Pre-Crash Data Indicate: Sustained brake use with heavy accelerator application, high vehicle/engine speed (slowly declining); ODI field inspection found evidence of all weather floor mat interference with accelerator pedal

See Page 2

Case 15 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

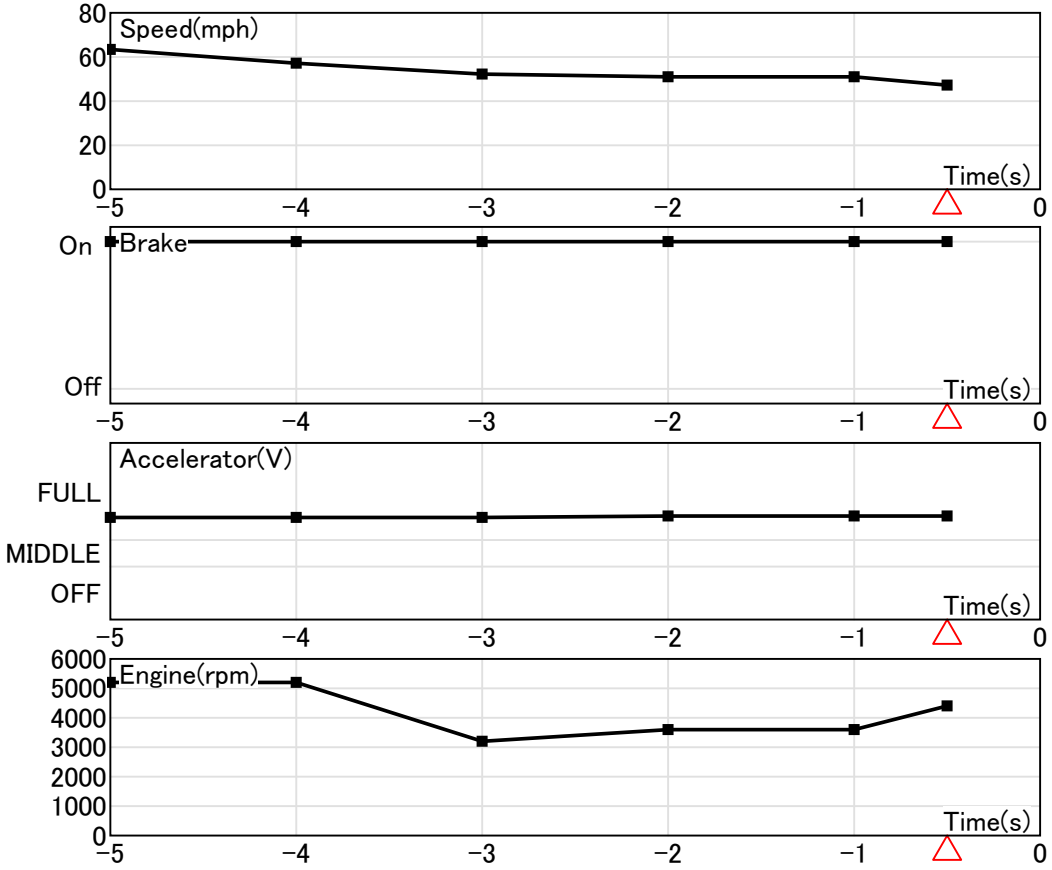
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted] ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	63.4	57.2	52.2	51.0	51.0	47.2(mph)
Brake	:	ON	ON	ON	ON	ON	ON
Accelerator	:	2.89	2.89	2.89	2.93	2.93	2.93(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	5200	5200	3200	3600	3600	4400(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 15 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted] ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

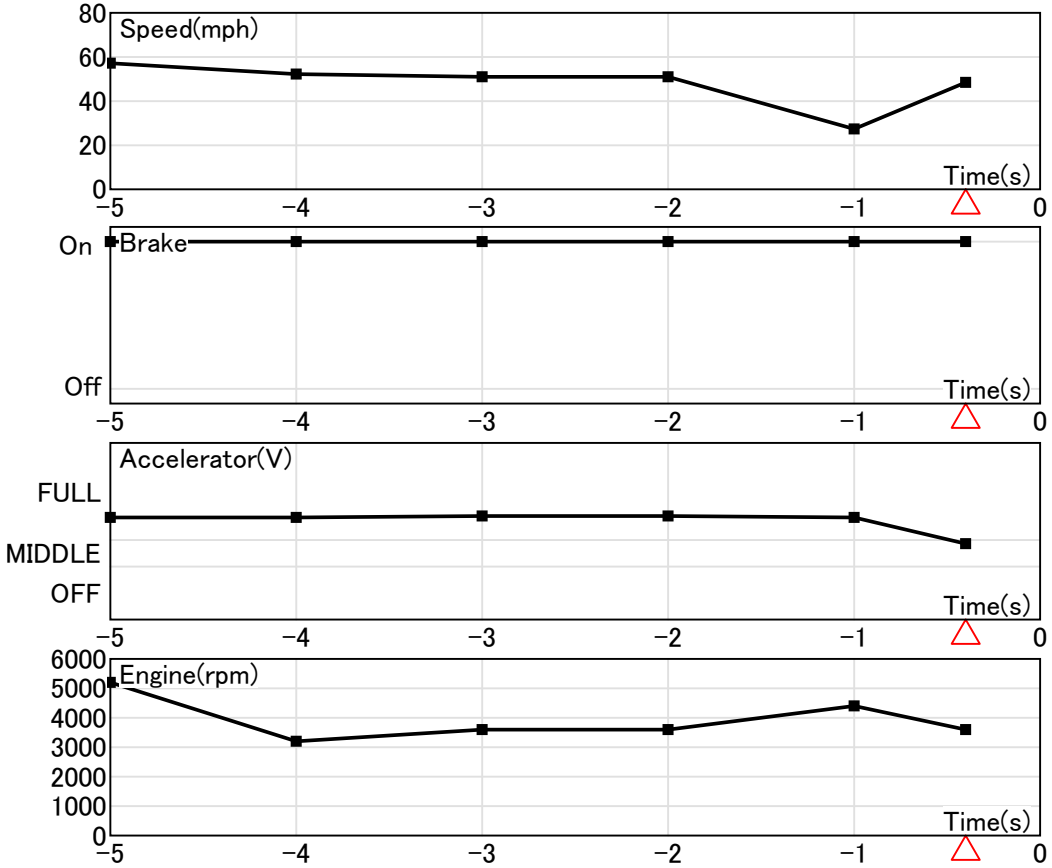
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 1080(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	57.2	52.2	51.0	51.0	27.3	48.5(mph)
Brake	:	ON	ON	ON	ON	ON	ON
Accelerator	:	2.89	2.89	2.93	2.93	2.89	2.15(V)
		FULL	FULL	FULL	FULL	FULL	MIDDLE
Engine	:	5200	3200	3600	3600	4400	3600(rpm)

Time from Last PreCrash Data : 600(ms) △

Case 15 Complete EDR Image

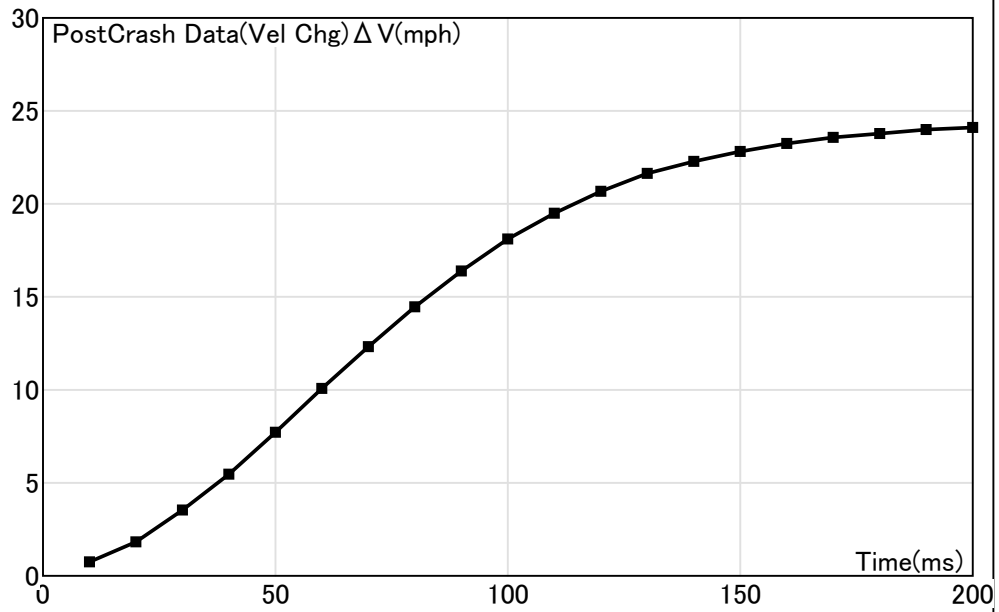
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted]ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 18.4(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 8(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 3(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.7
20	1.8
30	3.5
40	5.5
50	7.7
60	10.1
70	12.3
80	14.5
90	16.4
100	18.1
110	19.5
120	20.7
130	21.6
140	22.3
150	22.8
160	23.2
170	23.6
180	23.8
190	24.0
200	24.1

Case 15 Complete EDR Image

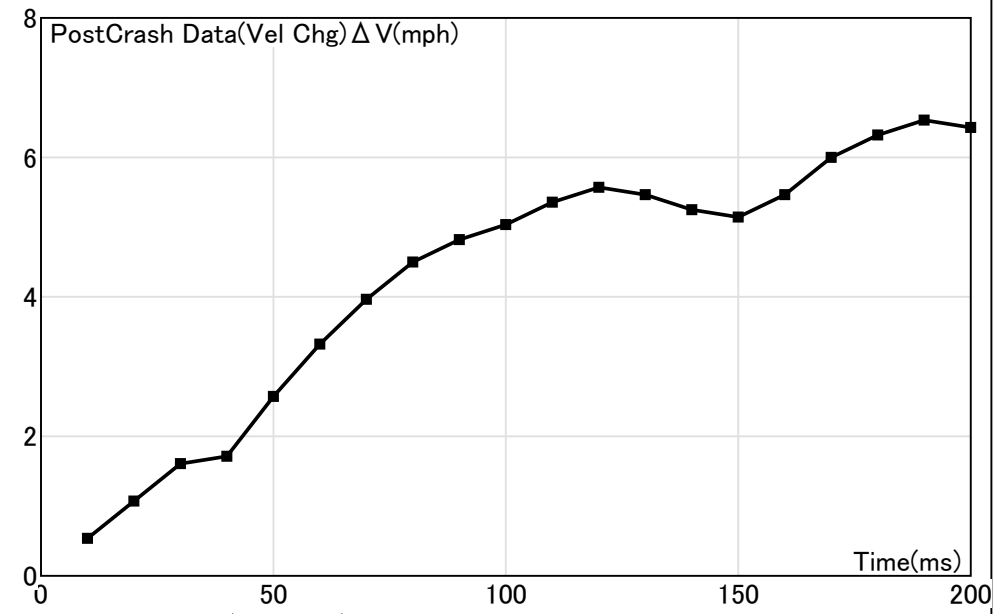
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted] ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 4.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 6(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.1
30	1.6
40	1.7
50	2.6
60	3.3
70	4.0
80	4.5
90	4.8
100	5.0
110	5.4
120	5.6
130	5.5
140	5.2
150	5.1
160	5.5
170	6.0
180	6.3
190	6.5
200	6.4

Case 15 Complete EDR Image

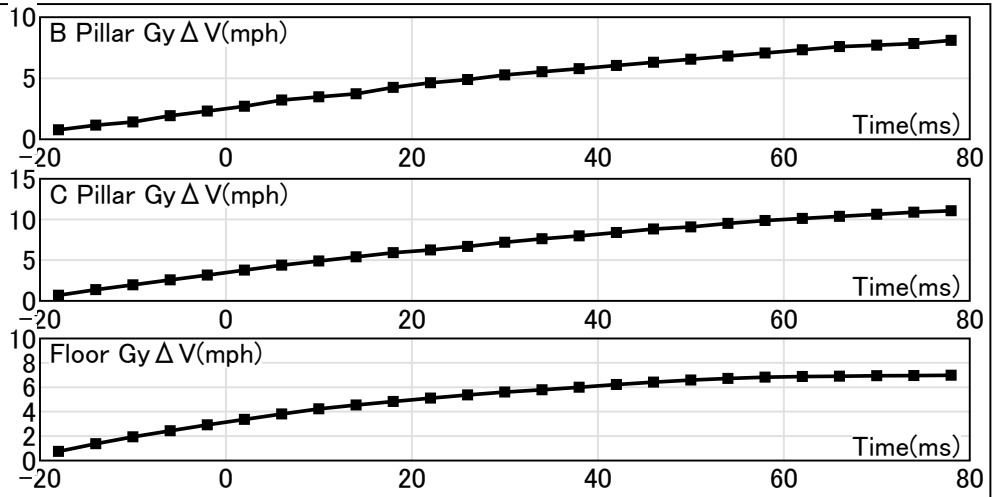
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted] ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 9(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 97(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	0.8	0.7	0.7
-14	1.2	1.4	1.4
-10	1.4	2.0	1.9
-6	1.9	2.6	2.4
-2	2.3	3.2	2.9
2	2.7	3.8	3.4
6	3.2	4.4	3.8
10	3.5	4.9	4.2
14	3.7	5.4	4.5
18	4.2	5.9	4.8
22	4.6	6.3	5.1
26	4.9	6.7	5.4
30	5.3	7.2	5.6
34	5.5	7.6	5.8
38	5.8	8.0	6.0
42	6.0	8.4	6.2
46	6.3	8.8	6.4
50	6.6	9.1	6.6
54	6.8	9.5	6.7
58	7.1	9.9	6.8
62	7.3	10.1	6.9
66	7.6	10.4	6.9
70	7.7	10.6	6.9
74	7.8	10.9	7.0
78	8.1	11.1	7.0

Case 15 Complete EDR Image

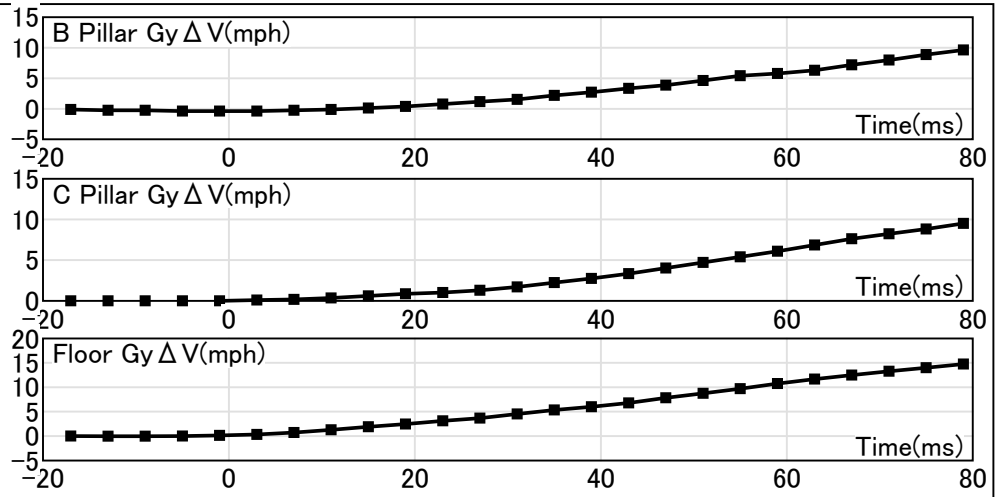
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa
Accident Date	:
Vehicle	: [redacted] ES350
Model Year	: 2007
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 7(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−17	−0.1	0.0	0.0
−13	−0.3	0.0	−0.0
−9	−0.3	0.0	−0.0
−5	−0.4	0.0	0.0
−1	−0.4	0.0	0.1
3	−0.4	0.1	0.3
7	−0.3	0.2	0.7
11	−0.1	0.3	1.3
15	0.1	0.6	1.9
19	0.4	0.9	2.5
23	0.8	1.0	3.1
27	1.2	1.3	3.7
31	1.5	1.7	4.5
35	2.2	2.2	5.3
39	2.7	2.7	6.0
43	3.3	3.3	6.8
47	3.9	4.0	7.8
51	4.6	4.7	8.7
55	5.4	5.4	9.7
59	5.8	6.1	10.7
63	6.3	6.9	11.7
67	7.2	7.6	12.5
71	8.0	8.2	13.3
75	8.9	8.8	14.0
79	9.6	9.5	14.7

Case 16

Vehicle MY - Model: 2010 Camry

Incident Location: 4-Way Intersection

Inspection Prompted by: Insurance contact alleged a potential unintended acceleration incident

Incident Synopsis: Deceleration to stop sign; Traversed intersection, struck vehicle

Observation: EDR Pre-Crash Data Indicate: Early and late braking accompanied by low accelerator application / engine speed, and mild deceleration / acceleration at low speeds

See Page 1

Case 16 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au[redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

System Information

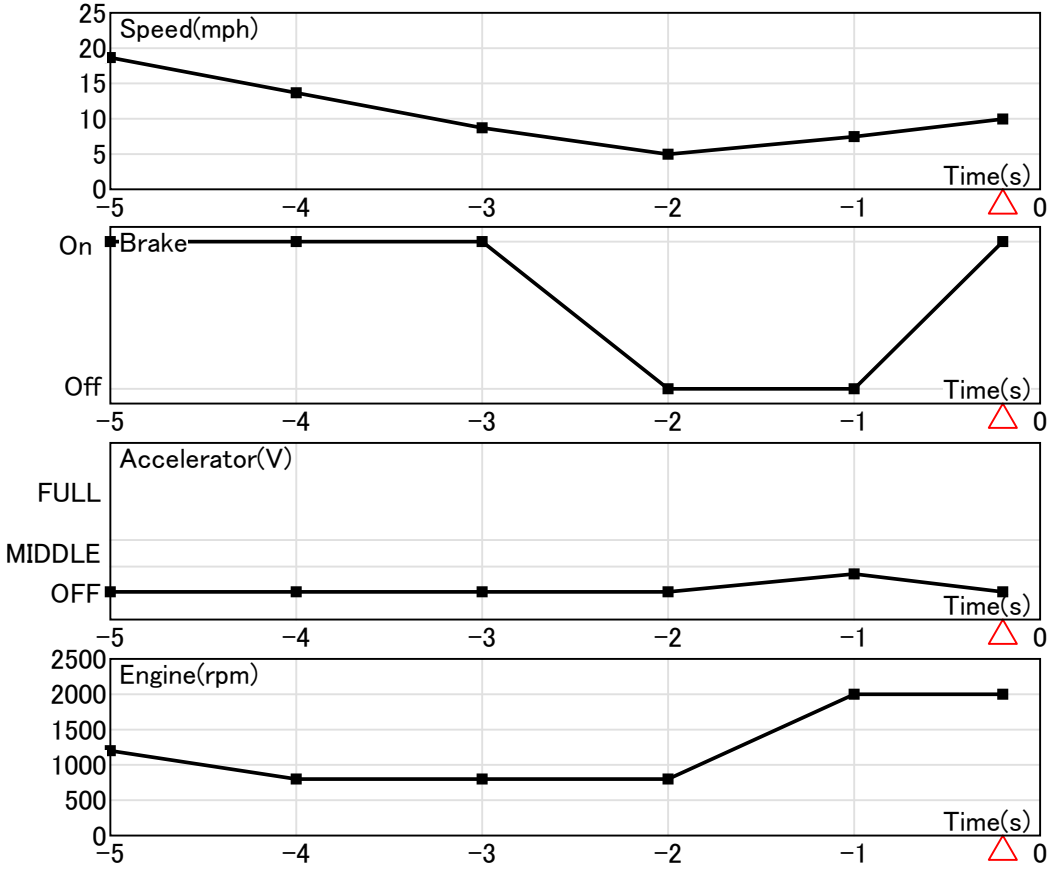
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	18.6	13.7	8.7	5.0	7.5	9.9(mph)
Brake	:	ON	ON	ON	OFF	OFF	ON
Accelerator	:	0.78	0.78	0.78	0.78	1.29	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1200	800	800	800	2000	2000(rpm)

Time from Last PreCrash Data : 800(ms) △

Case 16 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

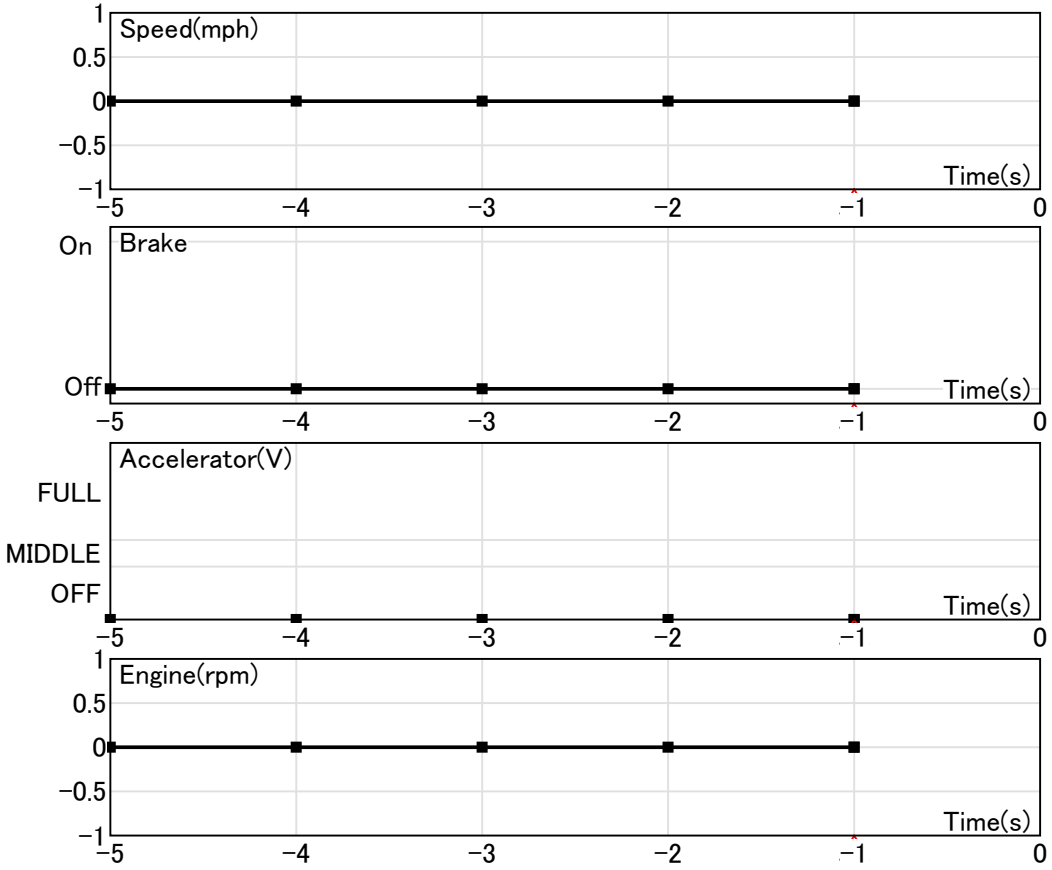
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au[redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 16 Complete EDR Image

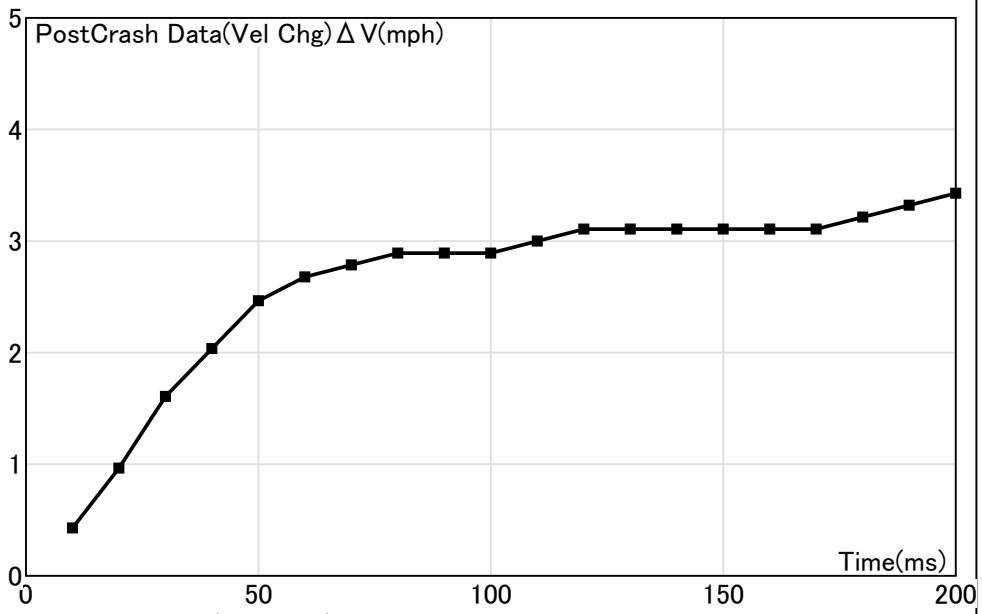
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au[redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 1.7(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	1.0
30	1.6
40	2.0
50	2.5
60	2.7
70	2.8
80	2.9
90	2.9
100	2.9
110	3.0
120	3.1
130	3.1
140	3.1
150	3.1
160	3.1
170	3.1
180	3.2
190	3.3
200	3.4

Case 16 Complete EDR Image

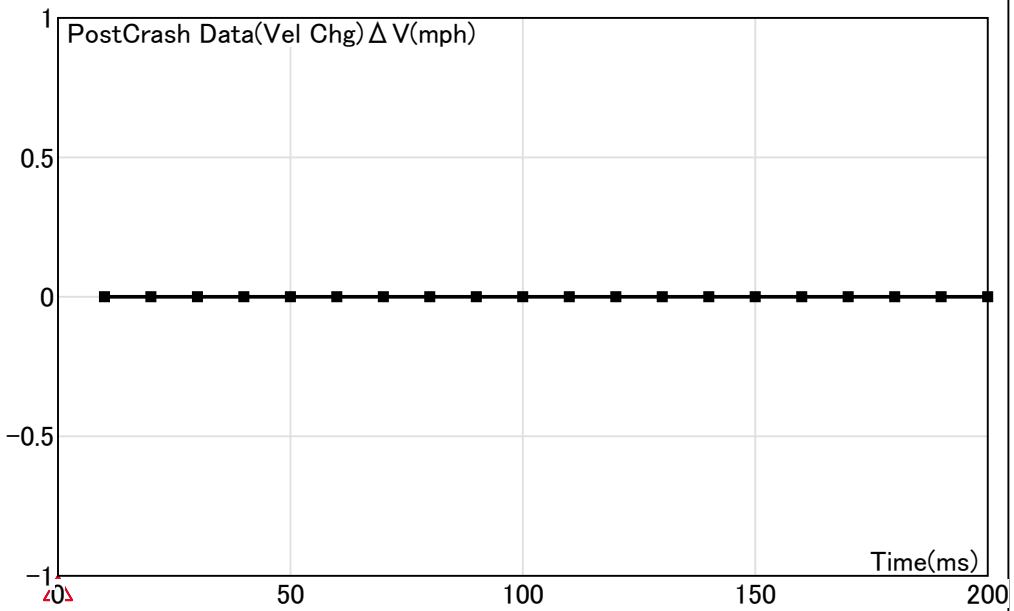
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au[redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 16 Complete EDR Image

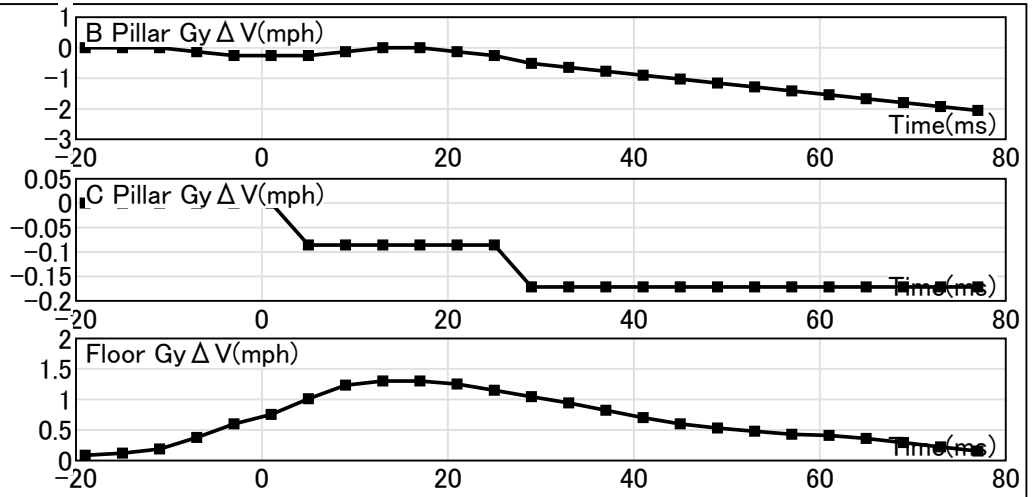
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au [redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 38(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	0.0	0.0	0.1
-15	0.0	0.0	0.1
-11	0.0	0.0	0.2
-7	-0.1	0.0	0.4
-3	-0.3	0.0	0.6
1	-0.3	0.0	0.8
5	-0.3	-0.1	1.0
9	-0.1	-0.1	1.2
13	0.0	-0.1	1.3
17	0.0	-0.1	1.3
21	-0.1	-0.1	1.3
25	-0.3	-0.1	1.1
29	-0.5	-0.2	1.0
33	-0.6	-0.2	0.9
37	-0.8	-0.2	0.8
41	-0.9	-0.2	0.7
45	-1.0	-0.2	0.6
49	-1.2	-0.2	0.5
53	-1.3	-0.2	0.5
57	-1.4	-0.2	0.4
61	-1.5	-0.2	0.4
65	-1.7	-0.2	0.4
69	-1.8	-0.2	0.3
73	-1.9	-0.2	0.2
77	-2.1	-0.2	0.2

Case 16 Complete EDR Image

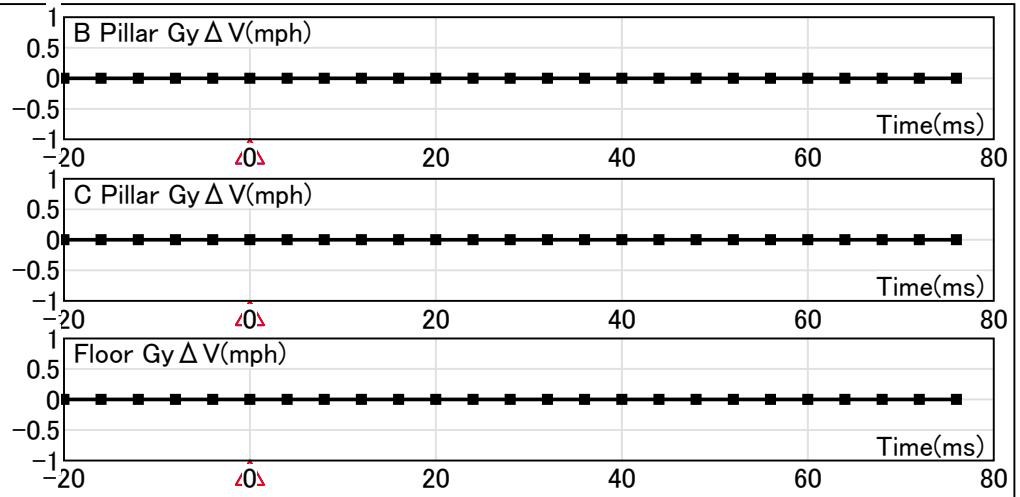
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Camry
Model Year	: 2010
VIN Number	: 4t1bf3ek1au[redacted]
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 17

Vehicle MY - Model: 2007 RAV4

Incident Location: Roadway

Inspection Prompted by: Complainant stated: At time of acceleration I had already begun braking to make a right turn. Engine began loud racing and car accelerated. With very little room to maneuver I turned car hard right to avoid cars and ran into a large tree with car still accelerating, stopping only when hitting the tree and bounced off, When the car came to a stop engine was still racing and very loud.

Incident Synopsis: Had begun braking to make a turn from a local road; Struck tree

Observation: EDR Pre-Crash Data Indicate: Early braking with deceleration followed by no brakes and rising accelerator application, engine / vehicle speed

See Page 2

Case 17 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

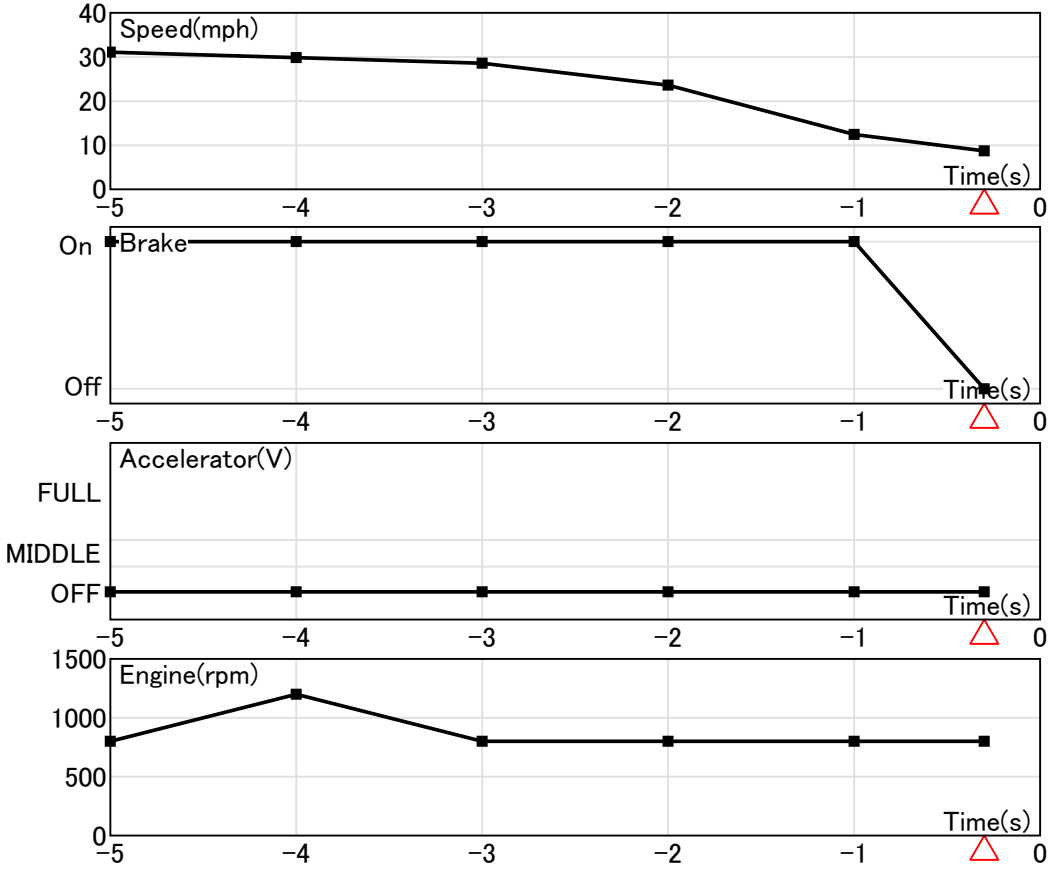
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	31.1	29.8	28.6	23.6	12.4	8.7(mph)
Brake	:	ON	ON	ON	ON	ON	OFF
Accelerator	:	0.78	0.78	0.78	0.78	0.78	0.78(V)
	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	800	1200	800	800	800	800(rpm)

Time from Last PreCrash Data : 700(ms) △

Case 17 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

System Information

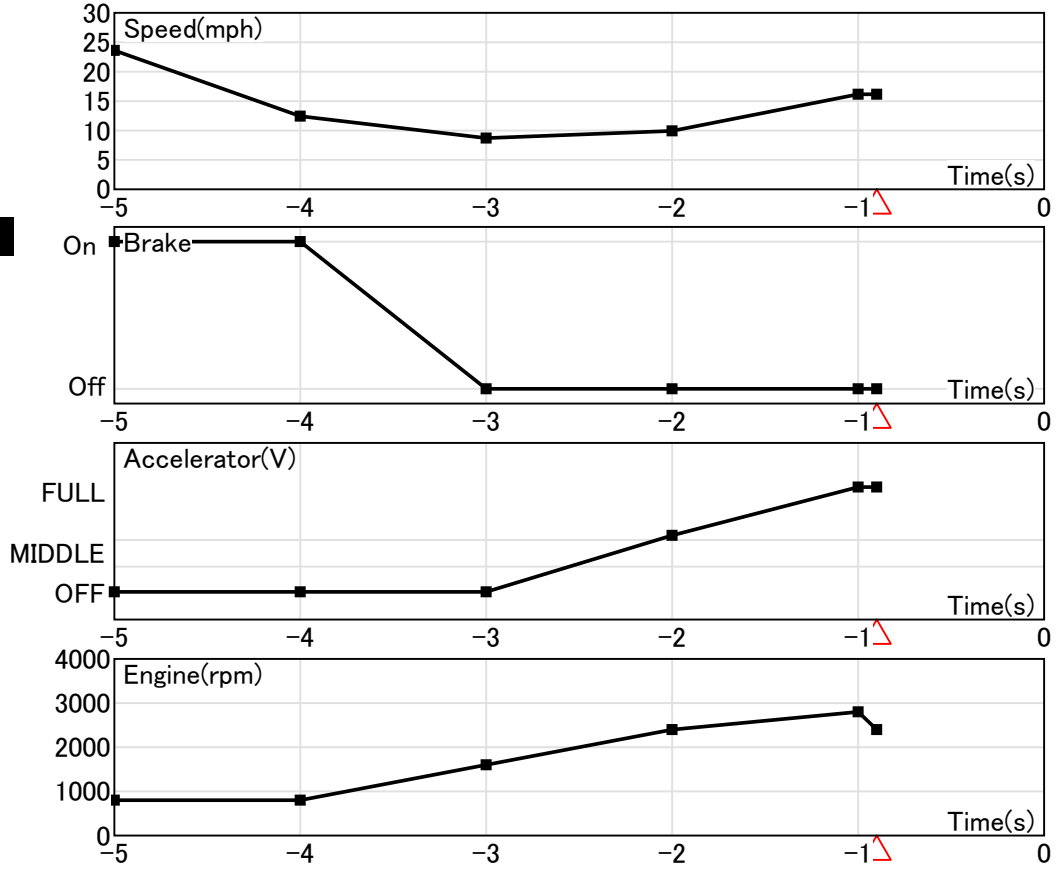
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 2378(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	23.6	12.4	8.7	9.9	16.2	16.2(mph)
Brake	:	ON	ON	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	2.38	3.75	3.75(V)
		OFF	OFF	OFF	FULL	FULL	FULL
Engine	:	800	800	1600	2400	2800	2400(rpm)

Time from Last PreCrash Data : 100(ms) △

Case 17 Complete EDR Image

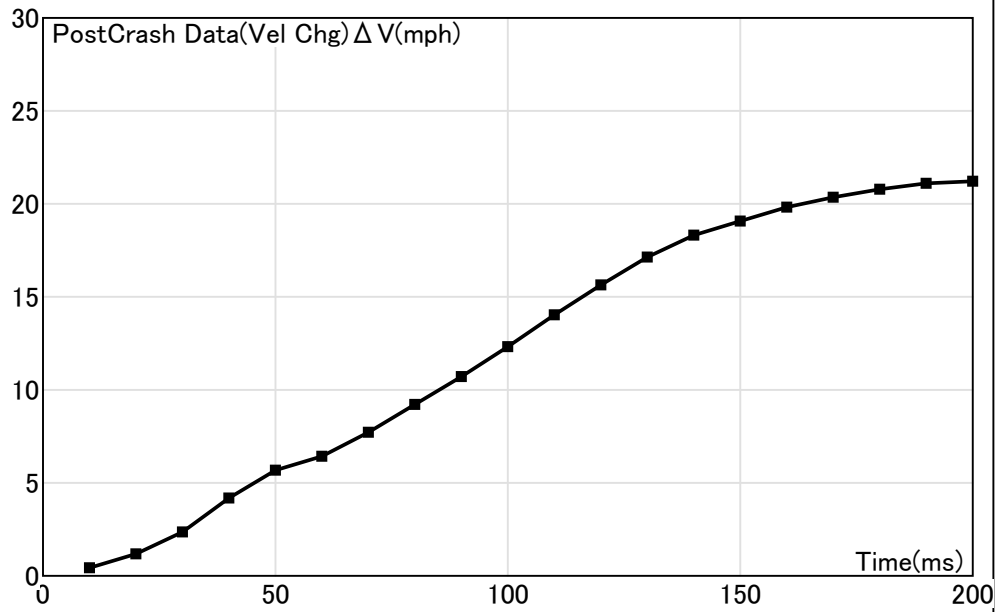
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 21.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: R/ONonCrash
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	1.2
30	2.4
40	4.2
50	5.7
60	6.4
70	7.7
80	9.2
90	10.7
100	12.3
110	14.0
120	15.6
130	17.1
140	18.3
150	19.1
160	19.8
170	20.4
180	20.8
190	21.1
200	21.2

Case 17 Complete EDR Image

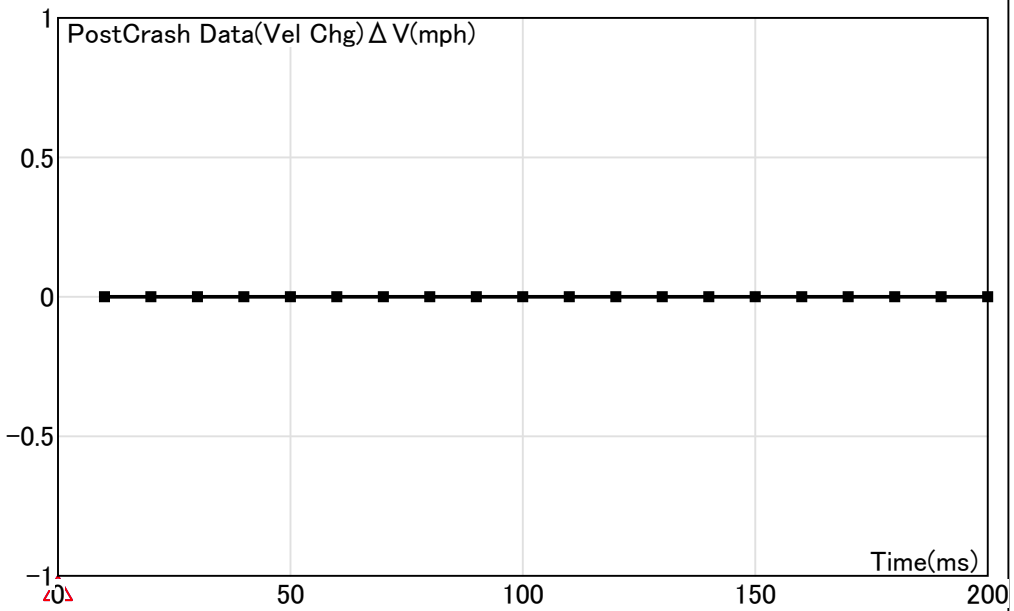
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 17 Complete EDR Image

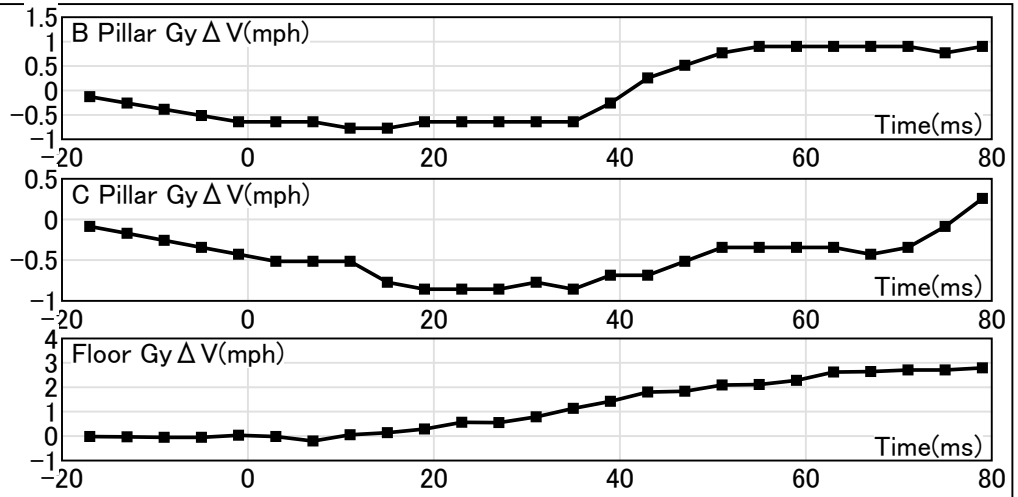
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 2(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	-0.1	-0.1	-0.0
-13	-0.3	-0.2	-0.0
-9	-0.4	-0.3	-0.1
-5	-0.5	-0.3	-0.1
-1	-0.6	-0.4	0.0
3	-0.6	-0.5	-0.0
7	-0.6	-0.5	-0.2
11	-0.8	-0.5	0.1
15	-0.8	-0.8	0.1
19	-0.6	-0.9	0.3
23	-0.6	-0.9	0.6
27	-0.6	-0.9	0.5
31	-0.6	-0.8	0.8
35	-0.6	-0.9	1.1
39	-0.3	-0.7	1.4
43	0.3	-0.7	1.8
47	0.5	-0.5	1.8
51	0.8	-0.3	2.1
55	0.9	-0.3	2.1
59	0.9	-0.3	2.3
63	0.9	-0.3	2.6
67	0.9	-0.4	2.6
71	0.9	-0.3	2.7
75	0.8	-0.1	2.7
79	0.9	0.3	2.8

Case 17 Complete EDR Image

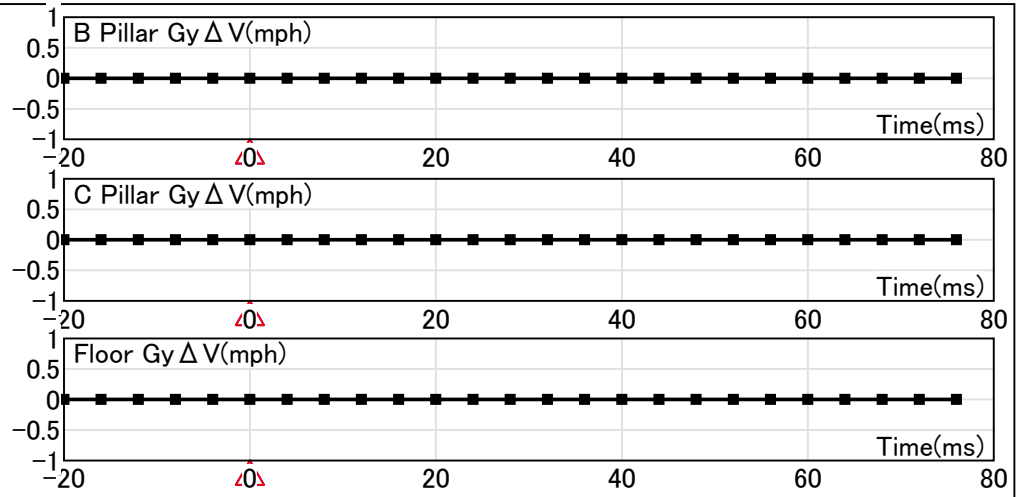
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 17 Complete EDR Image

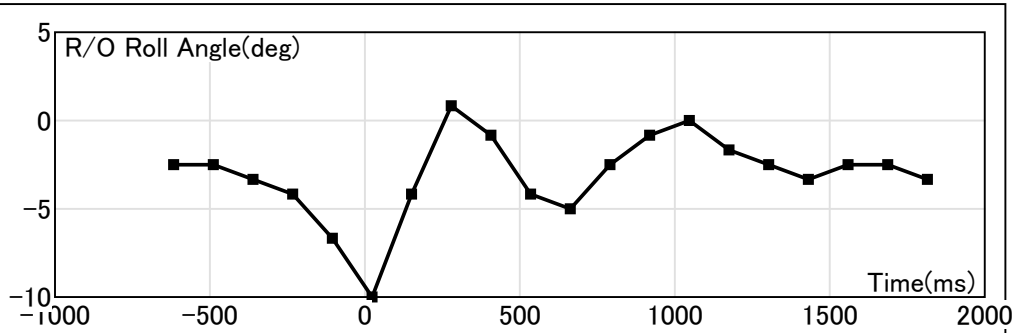
Roll Over Page.0

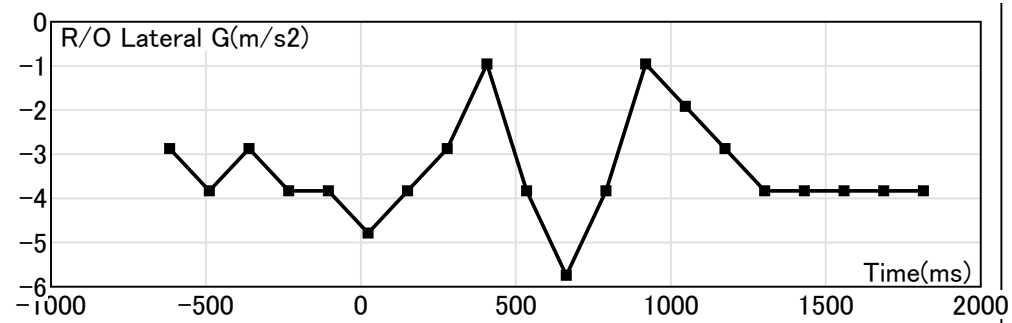
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 23(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 10.1(deg)
Crash Mode	: NonCrashData
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−617	−2.5	−2.9
−489	−2.5	−3.8
−361	−3.3	−2.9
−233	−4.2	−3.8
−105	−6.7	−3.8
23	−10.0	−4.8
151	−4.2	−3.8
279	0.8	−2.9
407	−0.8	−1.0
535	−4.2	−3.8
663	−5.0	−5.7
791	−2.5	−3.8
919	−0.8	−1.0
1047	0.0	−1.9
1175	−1.7	−2.9
1303	−2.5	−3.8
1431	−3.3	−3.8
1559	−2.5	−3.8
1687	−2.5	−3.8
1815	−3.3	−3.8

Case 17 Complete EDR Image

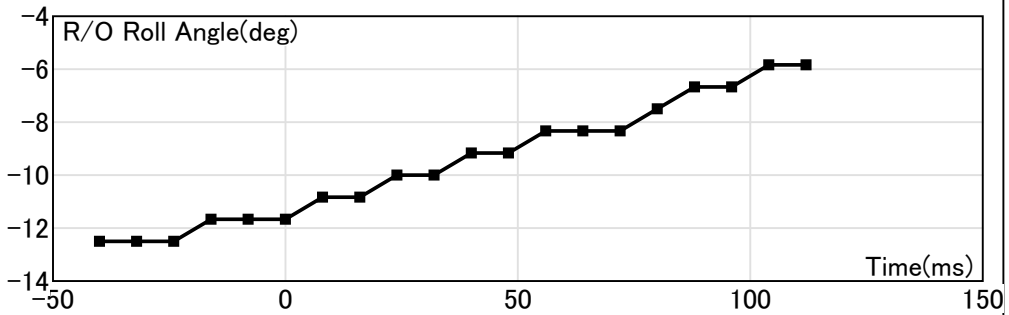
Roll Over Page.1

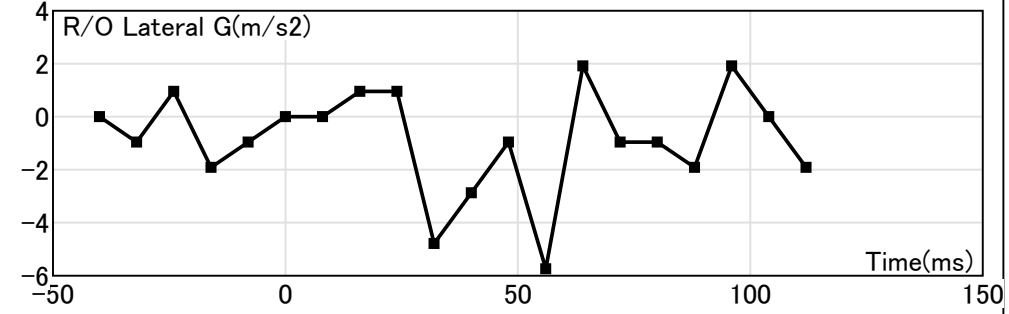
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	[redacted] Rav4
Model Year	: 2007
VIN Number	: JTMBD31V476[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 11.1(deg)
Crash Mode	: CrashData
TRG Counter	: 4(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 365(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-40	-12.5	0.0
-32	-12.5	-1.0
-24	-12.5	1.0
-16	-11.7	-1.9
-8	-11.7	-1.0
0	-11.7	0.0
8	-10.8	0.0
16	-10.8	1.0
24	-10.0	1.0
32	-10.0	-4.8
40	-9.2	-2.9
48	-9.2	-1.0
56	-8.3	-5.7
64	-8.3	1.9
72	-8.3	-1.0
80	-7.5	-1.0
88	-6.7	-1.9
96	-6.7	1.9
104	-5.8	0.0
112	-5.8	-1.9

Case 18

Vehicle MY - Model: 2008 LS460

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: Sudden unintended acceleration in a parking lot. Required both feet with extreme pressure to stop vehicle

Incident Synopsis: Shifted into Drive after backing out of a parking space; Struck parked vehicle

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 18 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa-dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

System Information

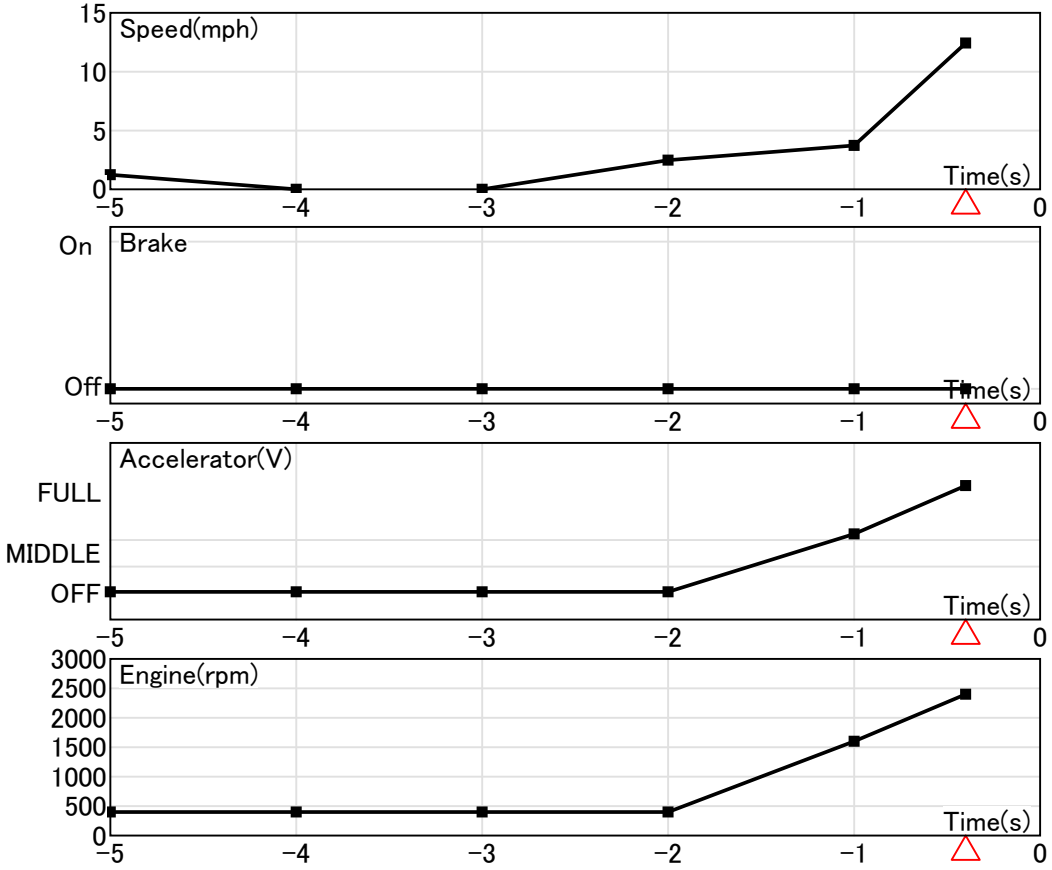
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: Invalid

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: Invalid



PreCrash Data

Speed	:	1.2	0.0	0.0	2.5	3.7	12.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	0.78	2.42	3.79(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	400	400	400	400	1600	2400(rpm)

Time from Last PreCrash Data : 600(ms) △

Case 18 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

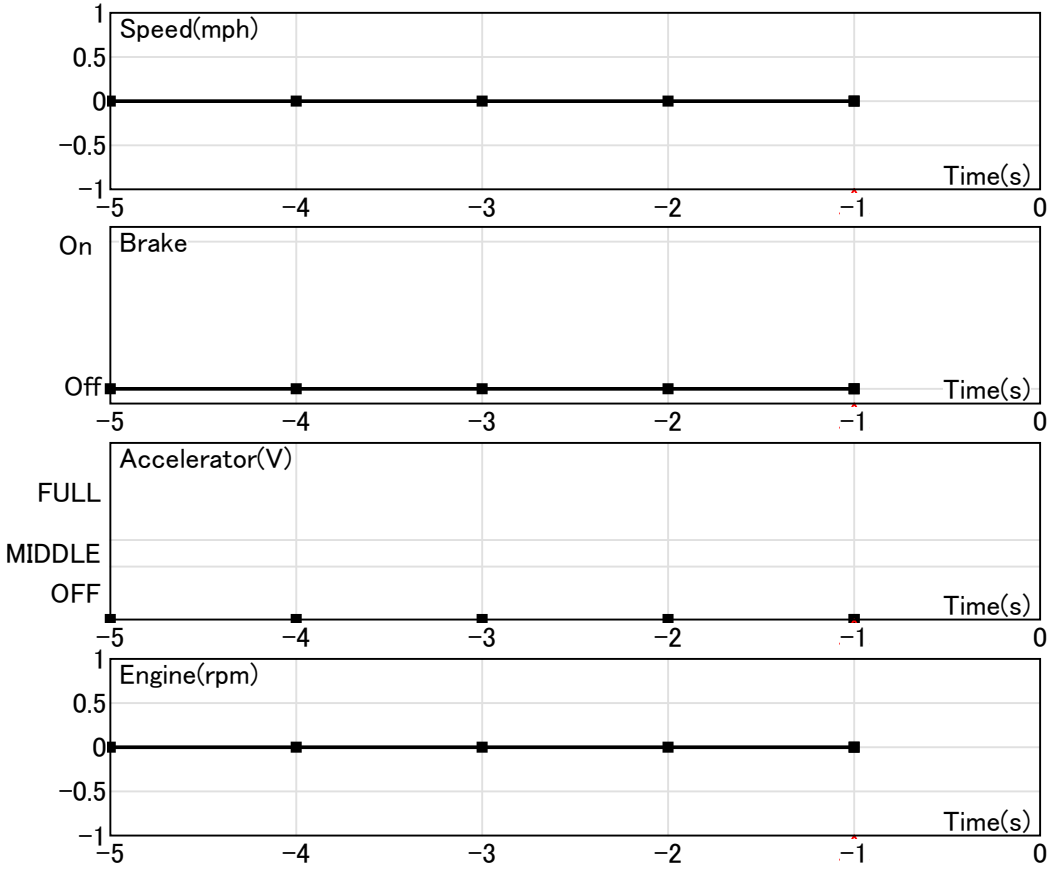
RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: aa-dh
Accident Date	[redacted]2010
Vehicle	[redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 18 Complete EDR Image

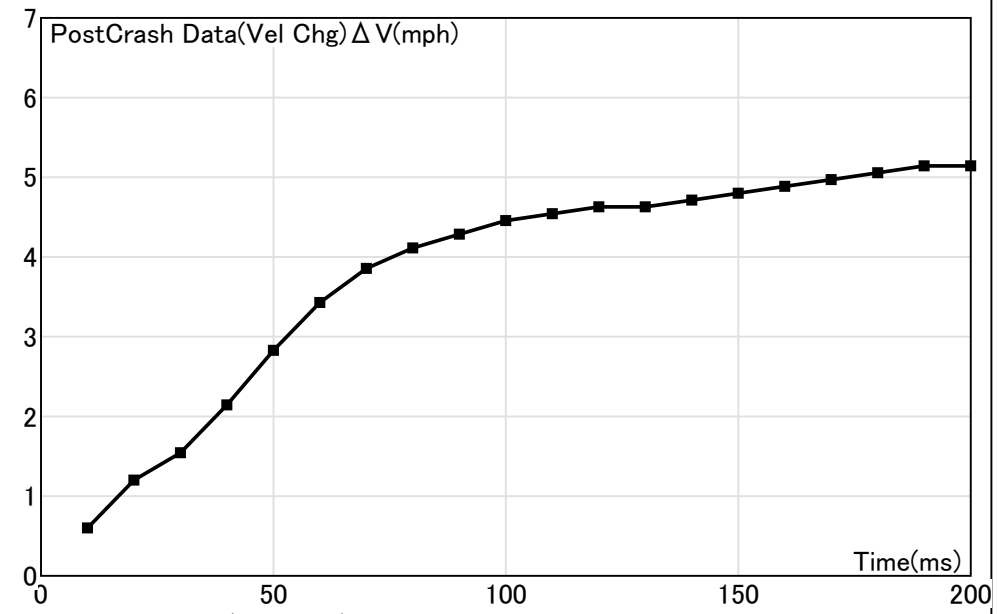
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa-dh
Accident Date	: [redacted]-2010
Vehicle	: [redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

Frontal Crash Page.0

Max deltaVx	: 5.1(mph)
Writing Flag for Gx	: Invalid
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: Invalid
Deployment Stage Passenger	: Invalid
Writing Flag for Frontal Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.6
20	1.2
30	1.5
40	2.1
50	2.8
60	3.4
70	3.9
80	4.1
90	4.3
100	4.5
110	4.5
120	4.6
130	4.6
140	4.7
150	4.8
160	4.9
170	5.0
180	5.1
190	5.1
200	5.1

Case 18 Complete EDR Image

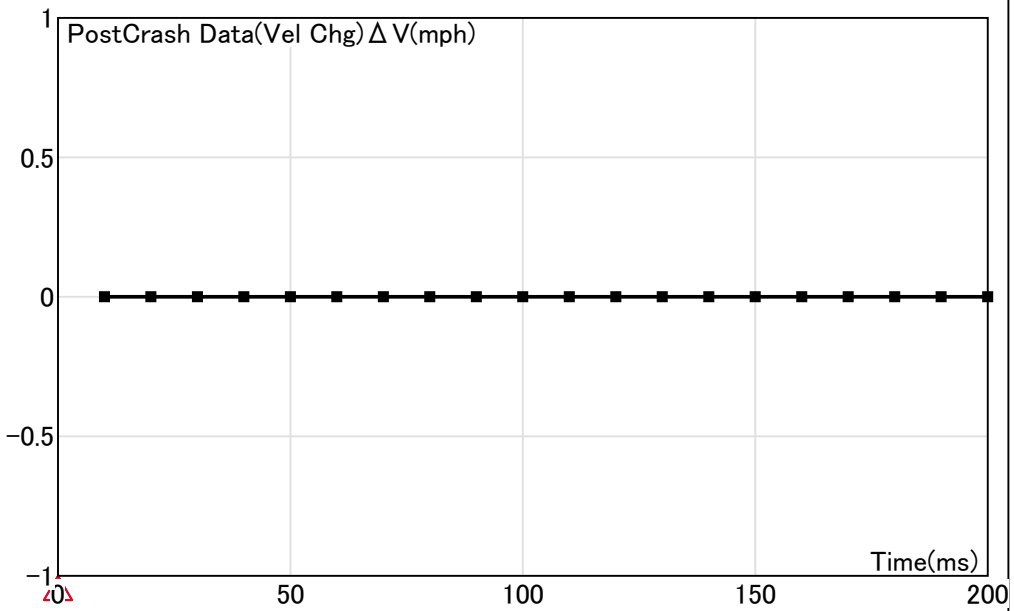
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: aa-dh
Accident Date	[redacted]2010
Vehicle	[redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

Frontal Crash Page.1

Max deltaVx	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 18 Complete EDR Image

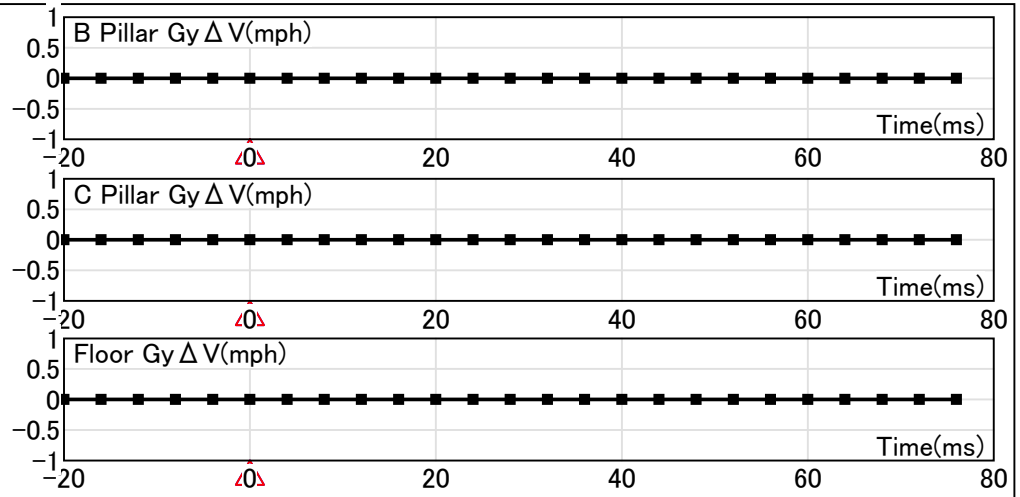
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: aa-dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 18 Complete EDR Image

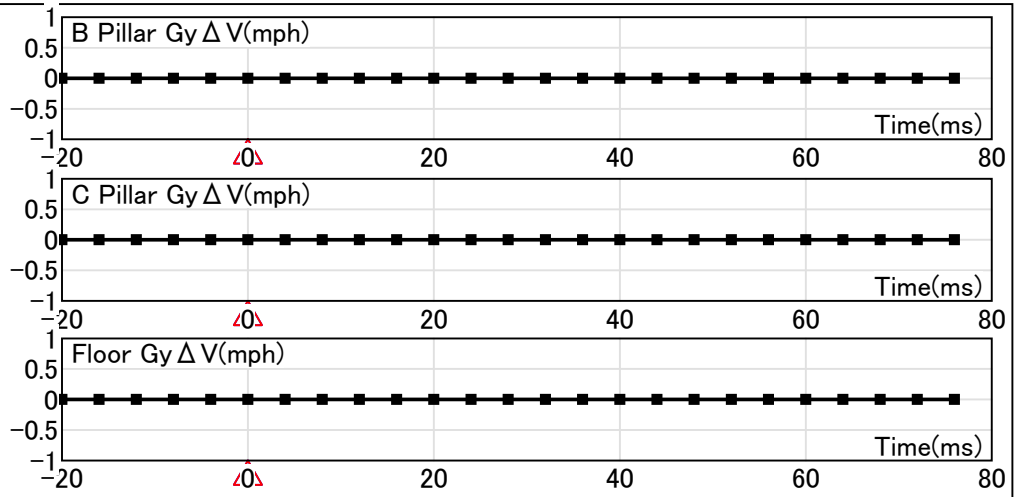
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: aa-dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]_LS460
Model Year	: 2008
VIN Number	: JTHBL46F885[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 50180
COMMTYPE	: CAN

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 19

Vehicle MY - Model: 2007 Camry HEV

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: While attempting to drive approximately 5 mph into a parking space, there was an unusual increase in the engine rpms. The vehicle abnormally accelerated

Incident Synopsis: Pulling into parking space; Struck building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Case 19 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

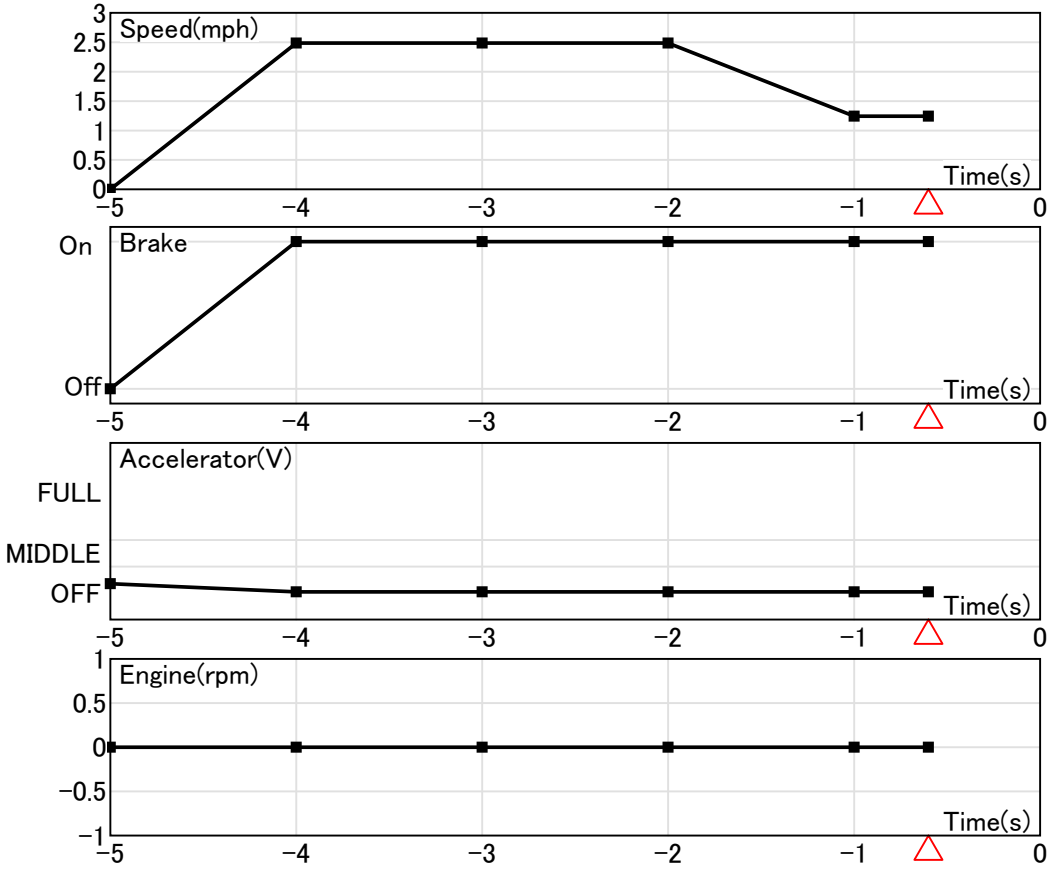
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	2.5	2.5	2.5	1.2	1.2(mph)
Brake	:	OFF	ON	ON	ON	ON	ON
Accelerator	:	1.02	0.78	0.78	0.78	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 400(ms)

Case 19 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

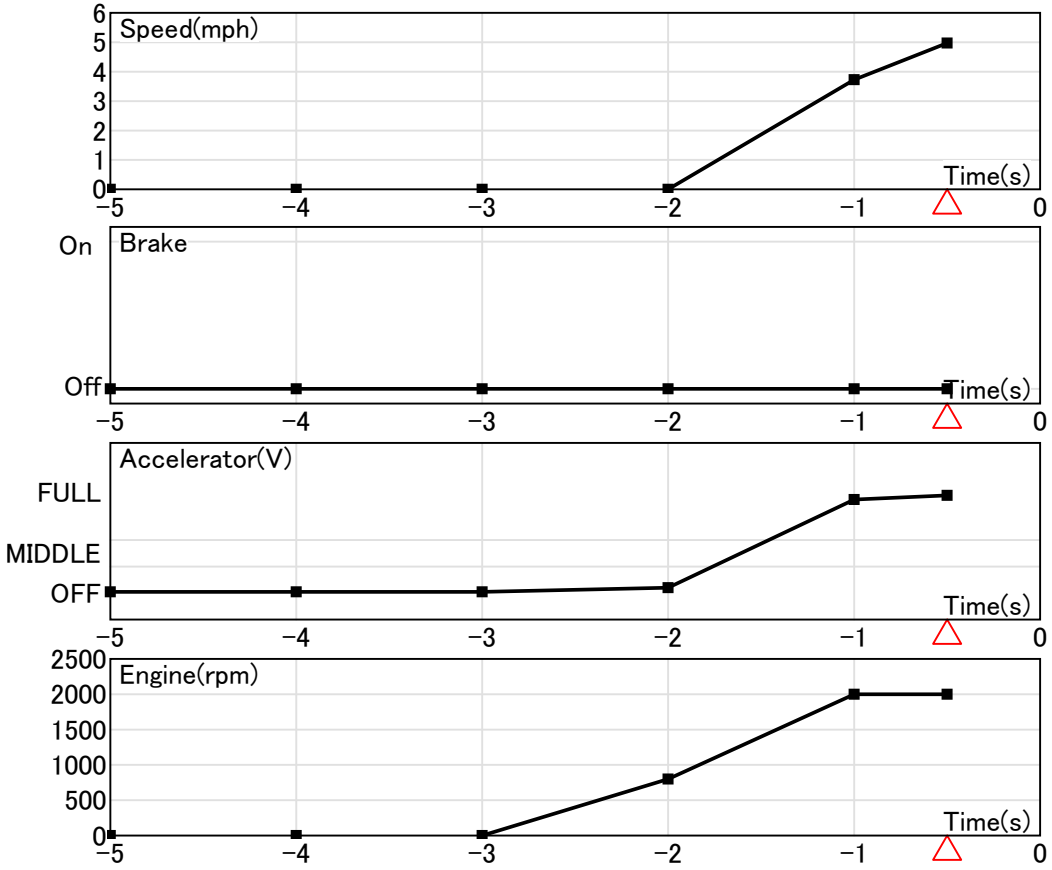
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	3.7	5.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	0.90	3.40	3.52(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	0	0	0	800	2000	2000(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 19 Complete EDR Image

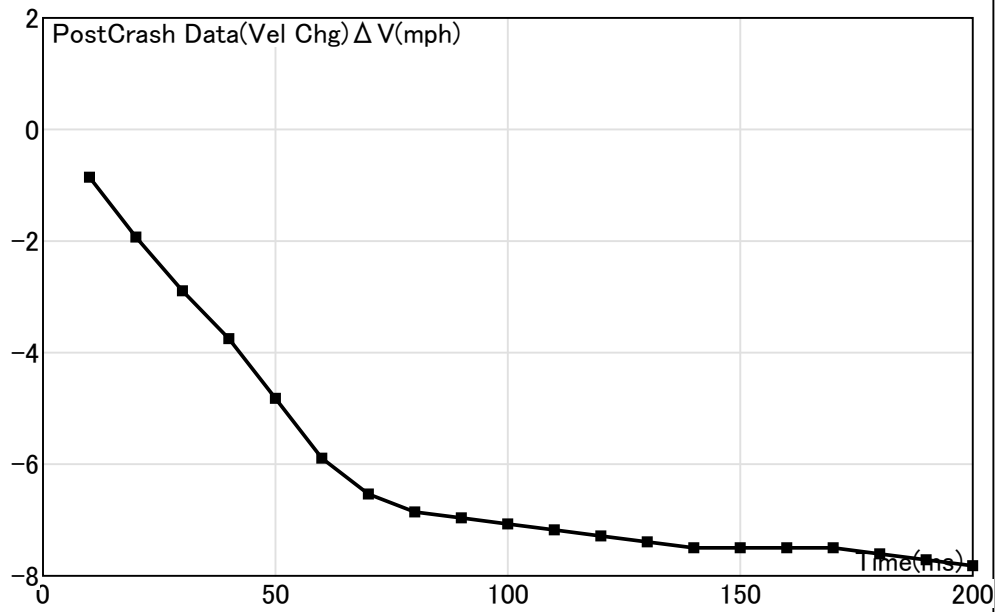
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: −7.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	−0.9
20	−1.9
30	−2.9
40	−3.7
50	−4.8
60	−5.9
70	−6.5
80	−6.9
90	−7.0
100	−7.1
110	−7.2
120	−7.3
130	−7.4
140	−7.5
150	−7.5
160	−7.5
170	−7.5
180	−7.6
190	−7.7
200	−7.8

Case 19 Complete EDR Image

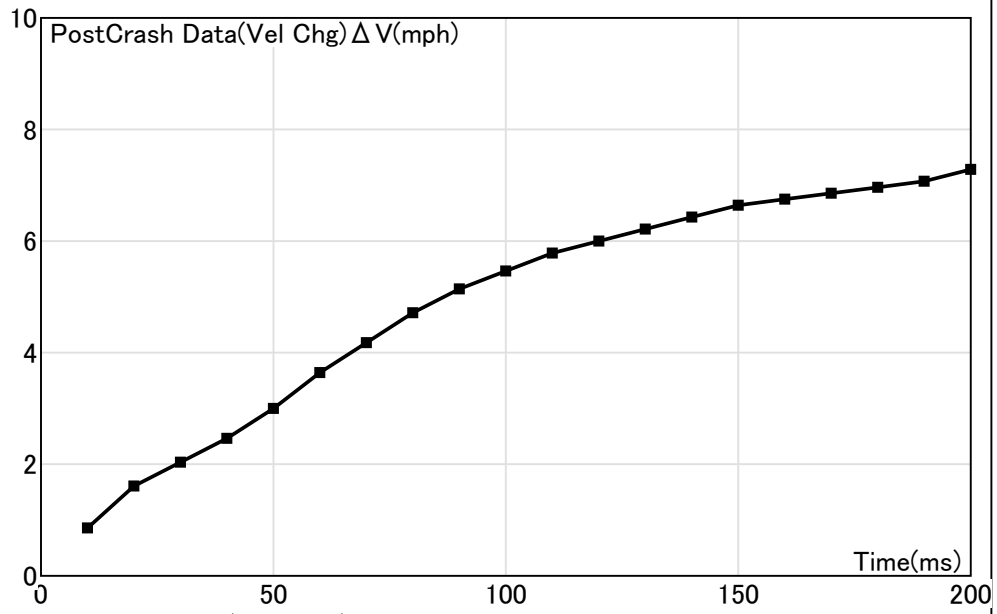
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 7.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	1.6
30	2.0
40	2.5
50	3.0
60	3.6
70	4.2
80	4.7
90	5.1
100	5.5
110	5.8
120	6.0
130	6.2
140	6.4
150	6.6
160	6.7
170	6.9
180	7.0
190	7.1
200	7.3

Case 19 Complete EDR Image

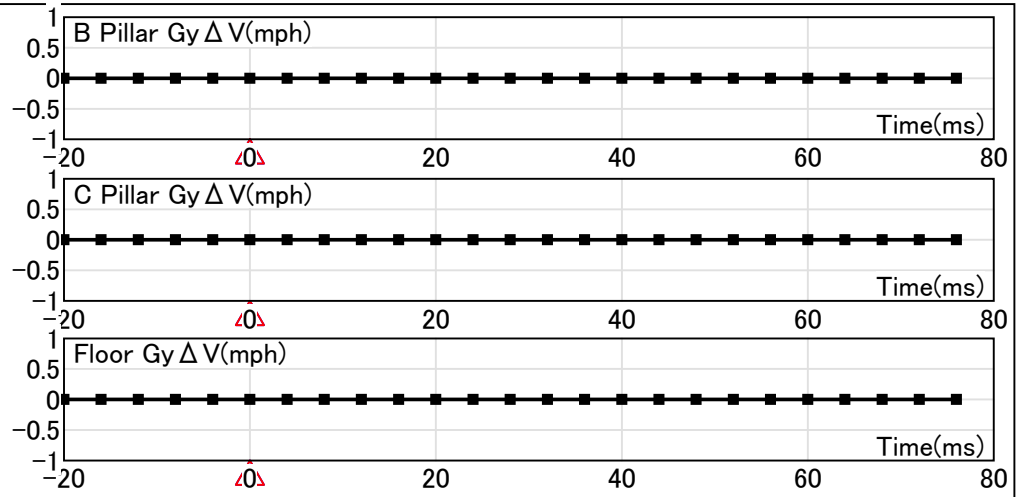
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 19 Complete EDR Image

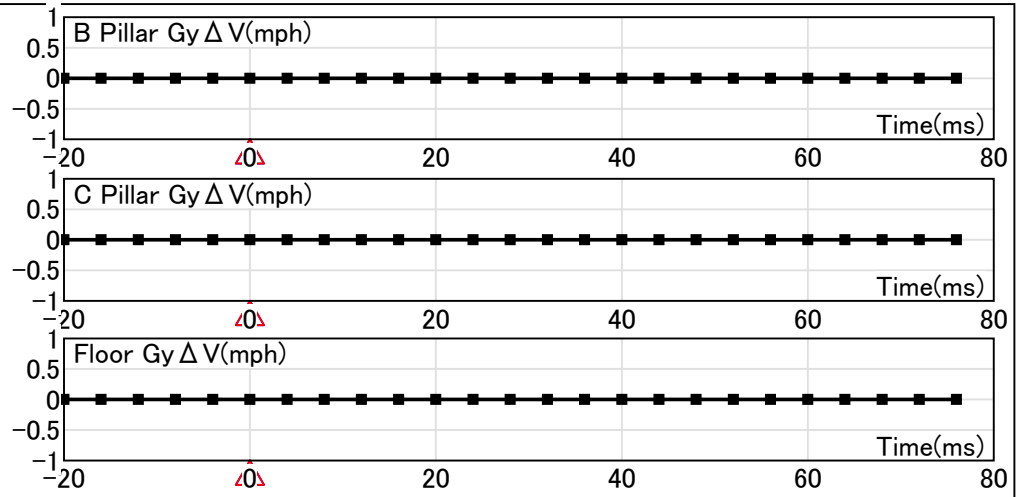
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: Godfrey/Freeman
Accident Date	: [redacted]10
Vehicle	: Camry HY
Model Year	: 2007
VIN Number	: 4t1bb46k97u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 20

Vehicle MY - Model: 2009 Camry

Incident Location: Carport

Inspection Prompted by: Complainant stated: Reversing with foot on the brake and attempted to change gear into Drive, the vehicle suddenly accelerated

Incident Synopsis: Shifted into Drive after backing out of residential driveway; Struck carport frame, traversed lawn, struck tree

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 20 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

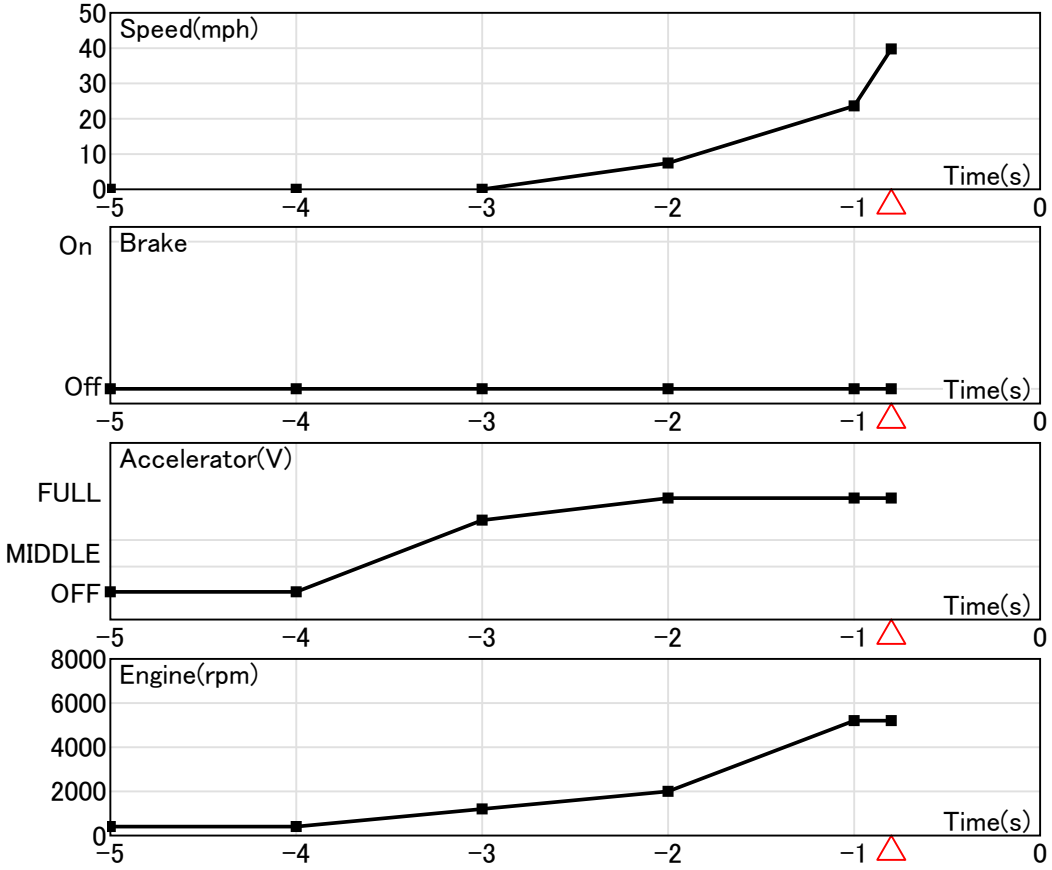
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	7.5	23.6	39.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	2.81	3.44	3.44	3.44(V)
		OFF	OFF	FULL	FULL	FULL	FULL
Engine	:	400	400	1200	2000	5200	5200(rpm)

Time from Last PreCrash Data : 200(ms) △

Case 20 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

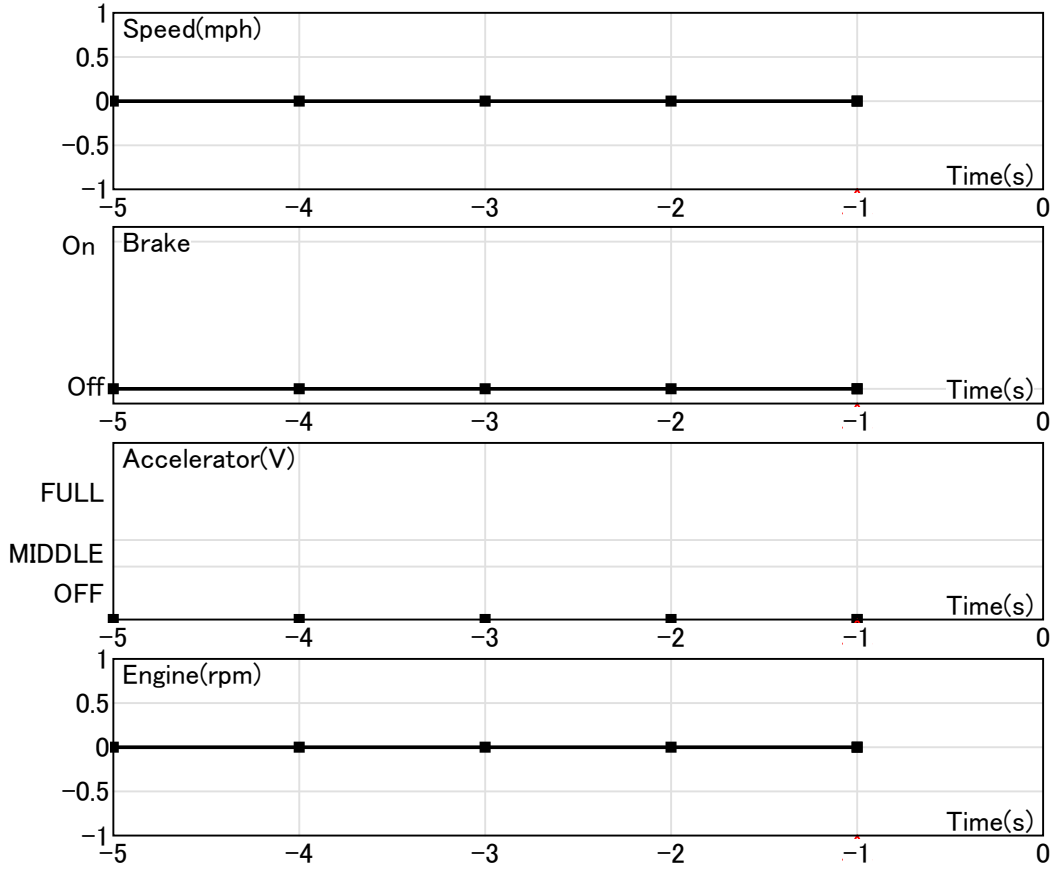
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 20 Complete EDR Image

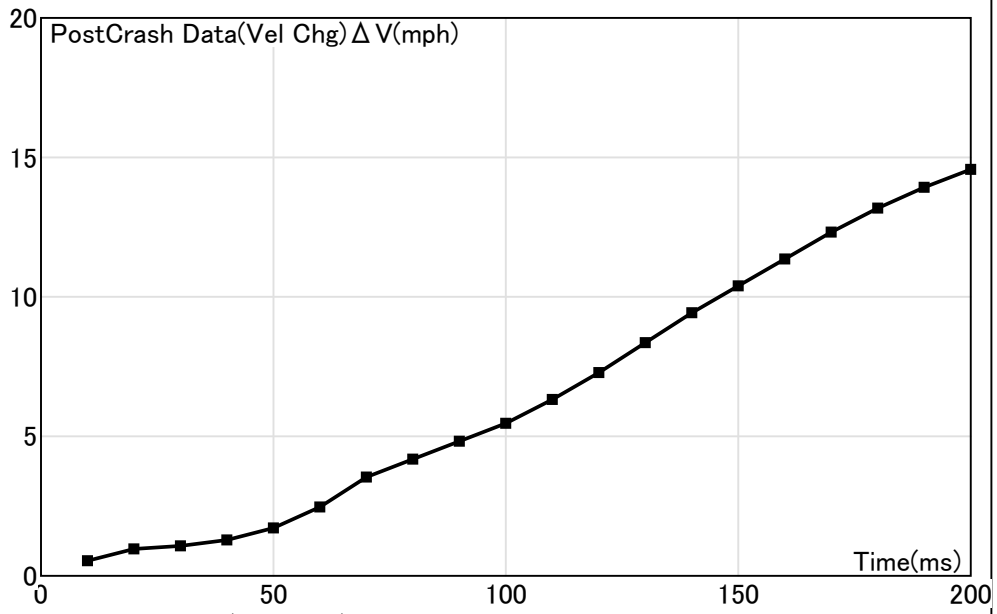
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 14.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.0
30	1.1
40	1.3
50	1.7
60	2.5
70	3.5
80	4.2
90	4.8
100	5.5
110	6.3
120	7.3
130	8.4
140	9.4
150	10.4
160	11.4
170	12.3
180	13.2
190	13.9
200	14.6

Case 20 Complete EDR Image

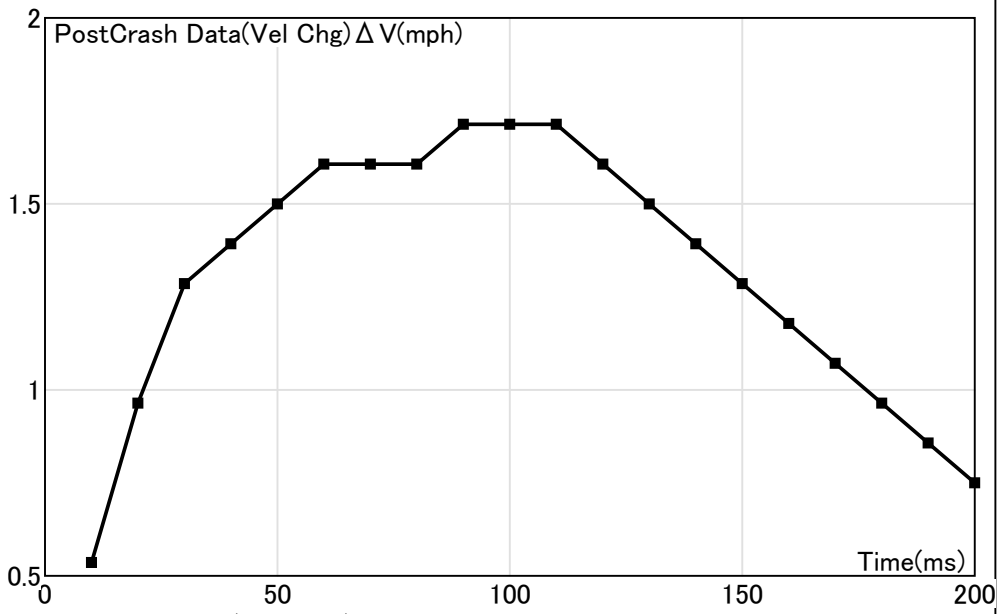
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 1.7(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 201(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.0
30	1.3
40	1.4
50	1.5
60	1.6
70	1.6
80	1.6
90	1.7
100	1.7
110	1.7
120	1.6
130	1.5
140	1.4
150	1.3
160	1.2
170	1.1
180	1.0
190	0.9
200	0.7

Case 20 Complete EDR Image

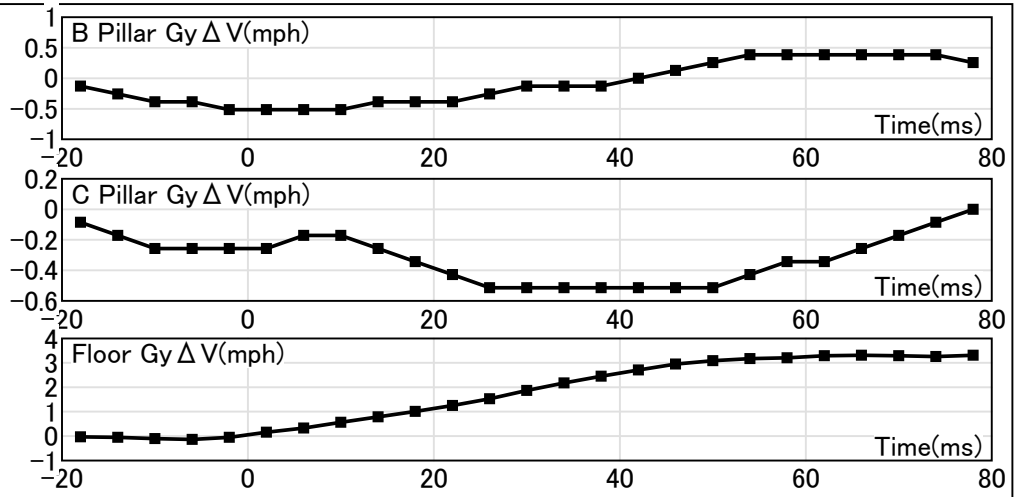
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 13(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	-0.1	-0.1	-0.0
-14	-0.3	-0.2	-0.1
-10	-0.4	-0.3	-0.1
-6	-0.4	-0.3	-0.1
-2	-0.5	-0.3	-0.1
2	-0.5	-0.3	0.2
6	-0.5	-0.2	0.3
10	-0.5	-0.2	0.6
14	-0.4	-0.3	0.8
18	-0.4	-0.3	1.0
22	-0.4	-0.4	1.3
26	-0.3	-0.5	1.5
30	-0.1	-0.5	1.9
34	-0.1	-0.5	2.2
38	-0.1	-0.5	2.5
42	0.0	-0.5	2.7
46	0.1	-0.5	2.9
50	0.3	-0.5	3.1
54	0.4	-0.4	3.2
58	0.4	-0.3	3.2
62	0.4	-0.3	3.3
66	0.4	-0.3	3.3
70	0.4	-0.2	3.3
74	0.4	-0.1	3.3
78	0.3	0.0	3.3

Case 20 Complete EDR Image

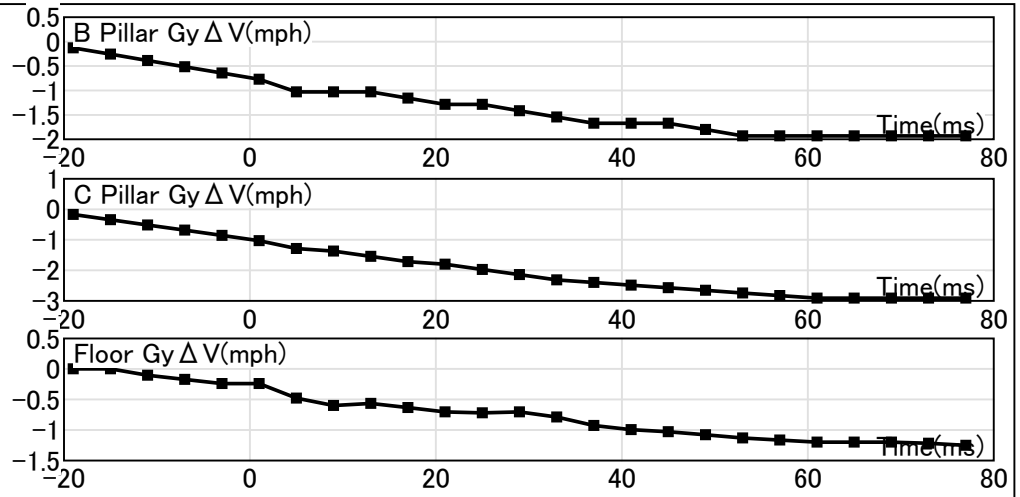
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Freeman / Godfrey
Accident Date	: [redacted]2010
Vehicle	: Camry
Model Year	: 2009
VIN Number	: 4t1bk46k99u[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 142(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	-0.1	-0.2	0.0
-15	-0.3	-0.3	0.0
-11	-0.4	-0.5	-0.1
-7	-0.5	-0.7	-0.2
-3	-0.6	-0.9	-0.2
1	-0.8	-1.0	-0.2
5	-1.0	-1.3	-0.5
9	-1.0	-1.4	-0.6
13	-1.0	-1.5	-0.6
17	-1.2	-1.7	-0.6
21	-1.3	-1.8	-0.7
25	-1.3	-2.0	-0.7
29	-1.4	-2.1	-0.7
33	-1.5	-2.3	-0.8
37	-1.7	-2.4	-0.9
41	-1.7	-2.5	-1.0
45	-1.7	-2.6	-1.0
49	-1.8	-2.7	-1.1
53	-1.9	-2.7	-1.1
57	-1.9	-2.8	-1.2
61	-1.9	-2.9	-1.2
65	-1.9	-2.9	-1.2
69	-1.9	-2.9	-1.2
73	-1.9	-2.9	-1.2
77	-1.9	-2.9	-1.3

Case 21

Vehicle MY - Model: 2004 LS430

Incident Location: Parking garage

Inspection Prompted by: Complainant stated: Owner was in parking garage beginning to exit garage from parking place when Lexus suddenly accelerated uncontrollably. Owner applied the brake pedal but could not stop the Lexus. Owner steered Lexus to avoid other vehicles

Incident Synopsis: Descending parking garage ramp; Struck building, electrical transformer

Observation: EDR Pre-Crash Data Indicate: Sustained full accelerator application, rising engine rpm and vehicle speed except a 1 sec period mid-event where the brakes are applied (vehicle speed reduced by 6 mph before the acceleration continued)

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 21 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] c2009
VEHICLE	LS430
MODEL YEAR	2004
VIN NUMBER	jthbn36f7401[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-50170
NewPage	0 Page
Freeze Signal	Freeze
Deployment Time	0 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 21 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	1[redacted]2009
VEHICLE	LS430
MODEL YEAR	2004
VIN NUMBER	jthbn36f7401[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

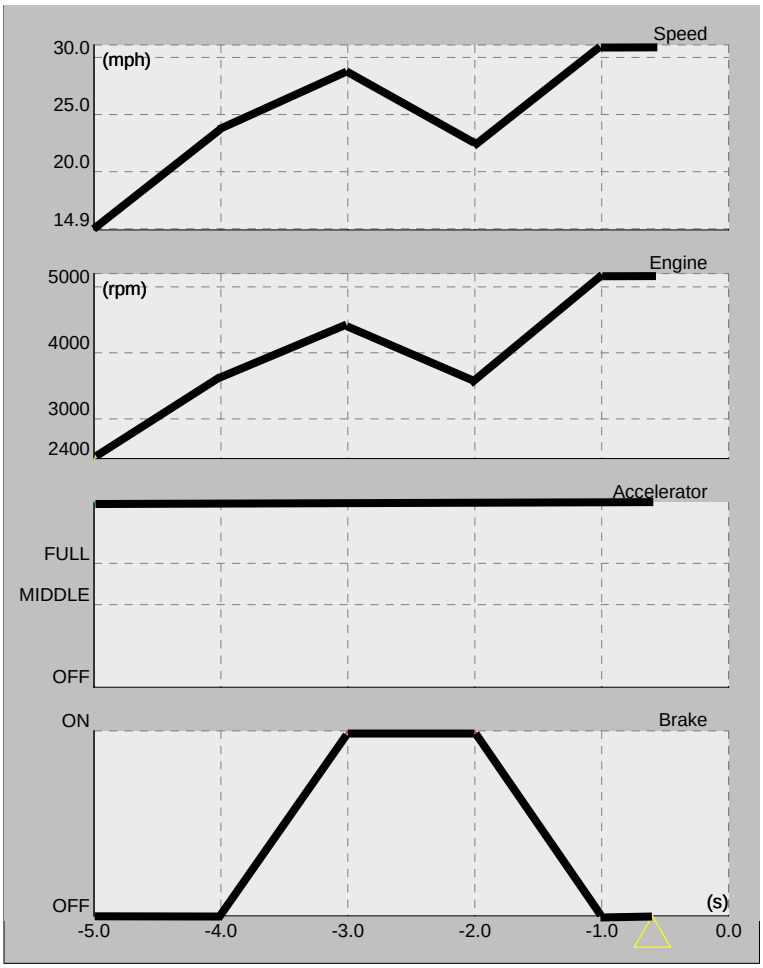
Graph Data

Latest/Frozen	BANK0
Freeze Signal	Freeze

Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	400 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	ODS OFF
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	14.9	2400	3.36(FULI	OFF	-0.6	31.1	5200	3.36(FULI	OFF
-4.0	23.6	3600	3.36(FULI	OFF					
-3.0	28.6	4400	3.36(FULI	ON					
-2.0	22.4	3600	3.36(FULI	ON					
-1.0	31.1	5200	3.36(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	0.5	110.0	1.5
20.0	0.6	70.0	1.4	120.0	1.4
30.0	0.3	80.0	1.4	130.0	1.2
40.0	0.5	90.0	1.5	140.0	1.1
50.0	0.5	100.0	1.5	150.0	1.1

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 21 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] c2009
VEHICLE	LS430
MODEL YEAR	2004
VIN NUMBER	jthbn36f740[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

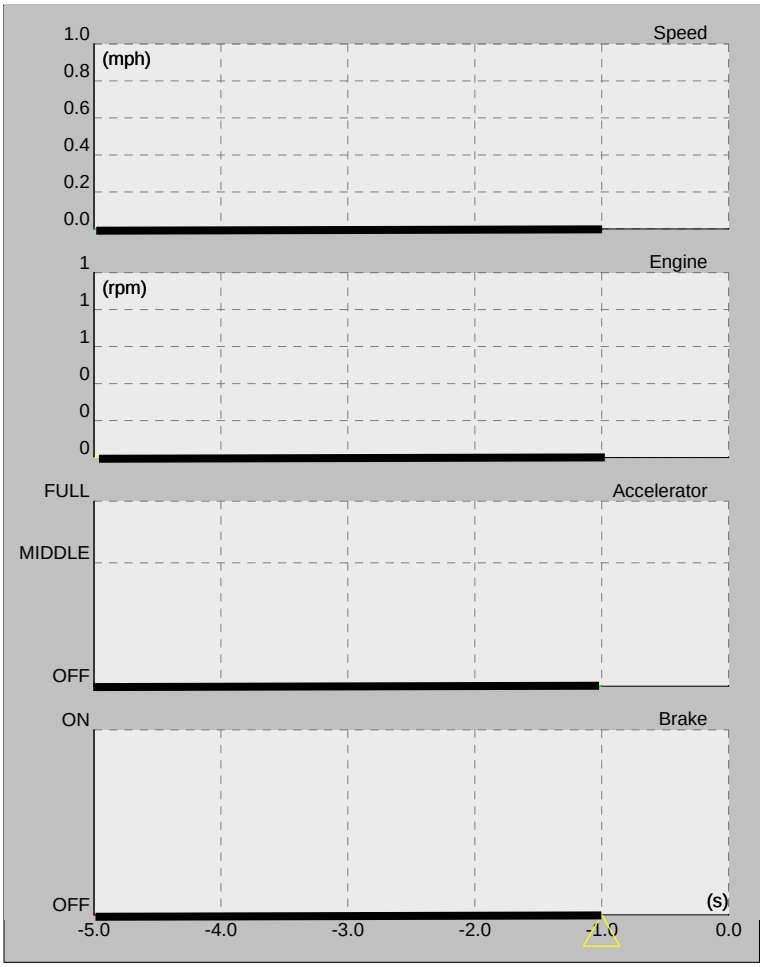
Graph Data

Next most recent	BANK1

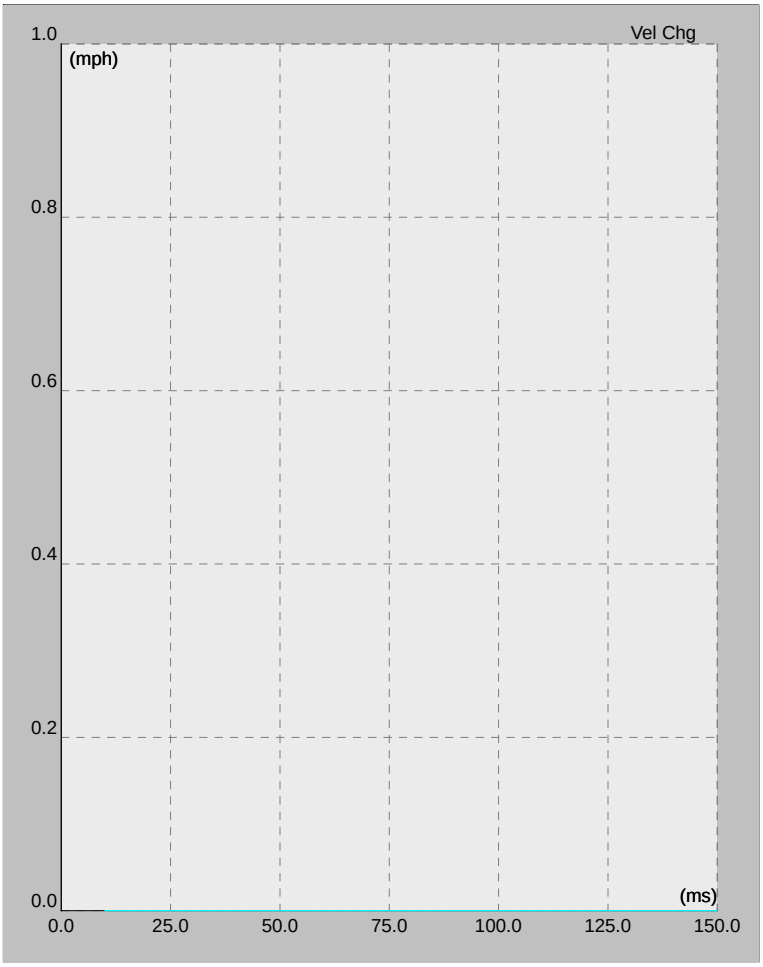
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	0.00(OFF	OFF	-1.0	0.0	0	0.00(OFF	OFF
-4.0	0.0	0	0.00(OFF	OFF					
-3.0	0.0	0	0.00(OFF	OFF					
-2.0	0.0	0	0.00(OFF	OFF					
-1.0	0.0	0	0.00(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 21 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted]c2009
VEHICLE	LS430
MODEL YEAR	2004
VIN NUMBER	jthbn36f7401[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

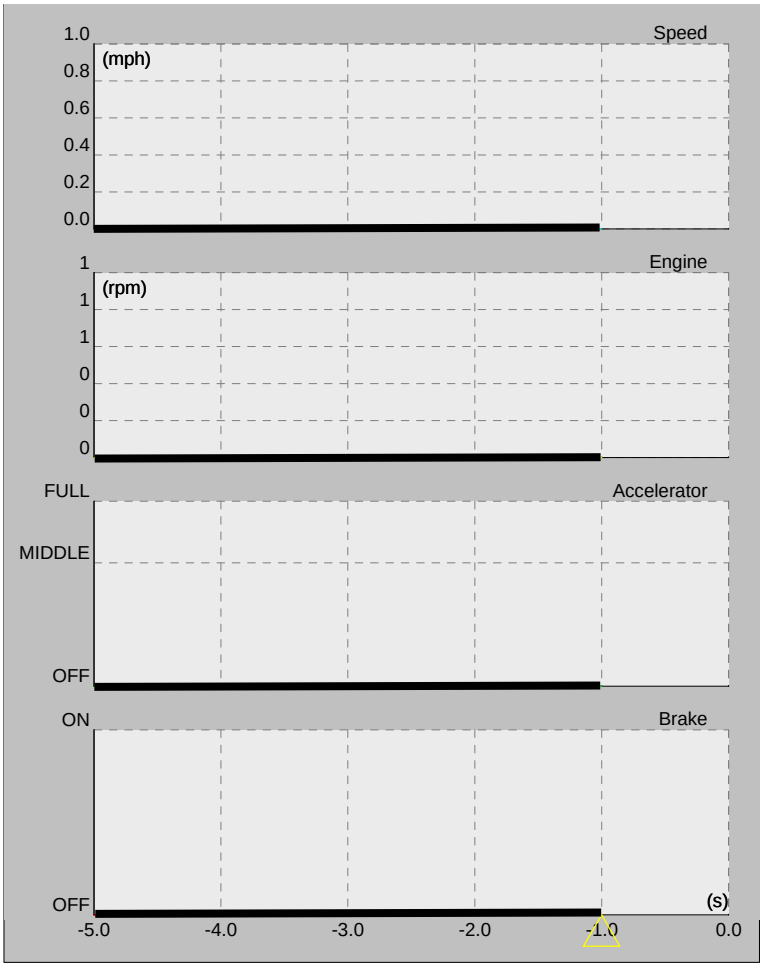
Graph Data

Past max. DeltaV	BANK2

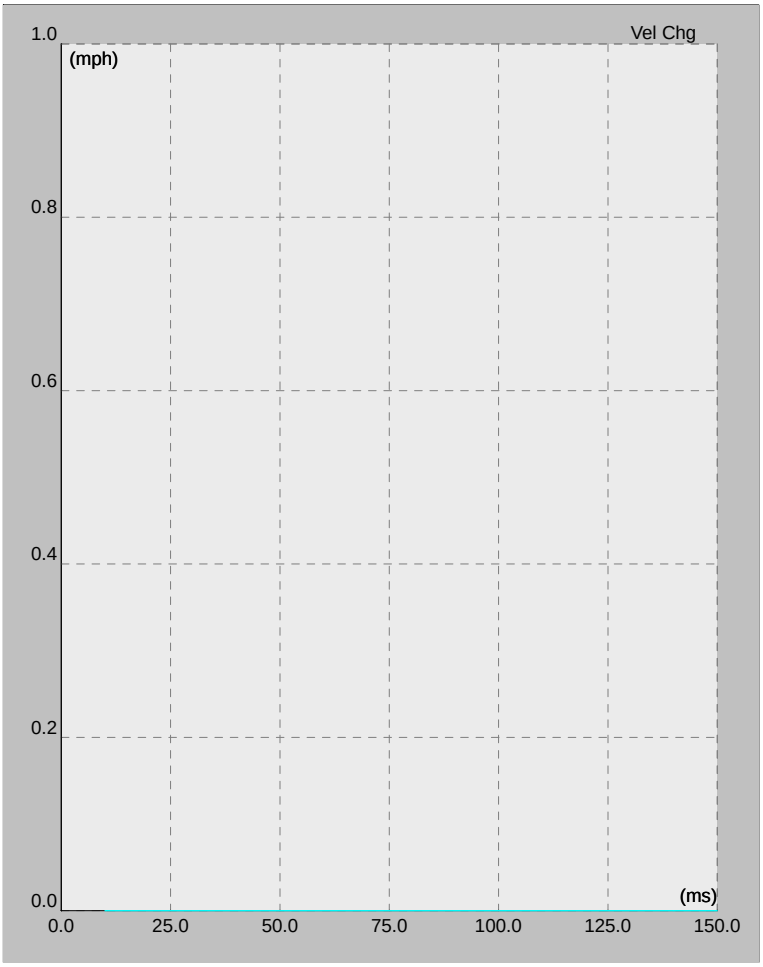
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	0.00(OFF	OFF	-1.0	0.0	0	0.00(OFF	OFF
-4.0	0.0	0	0.00(OFF	OFF					
-3.0	0.0	0	0.00(OFF	OFF					
-2.0	0.0	0	0.00(OFF	OFF					
-1.0	0.0	0	0.00(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

Case 22

Vehicle MY - Model: 2009 Corolla

Incident Location: Parking Lot

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Creeping behind other vehicle in school pickup line; Rear impact of vehicle ahead

Observation: EDR Pre-Crash Data Indicate: Early brake application followed by brake release, ramping accelerator application, engine / vehicle speed

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 22 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla[redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC
Safing Left OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right ON	CentralB CentralC
Safing Right OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Discrimination Left ON	
Discrimination Left OFF	bp cpHighG cpLowG CCU1Y
Discrimination Right ON	
Discrimination Right OFF	bp cpHighG cpLowG CCU1Y
Recorded Ama Side	LeftSide
Deployment judgment Side	NonSide
Deployment Enabled	OFF
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 22 Complete EDR Image

INVESTIGATION DATE	[redacted]5/2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla[redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

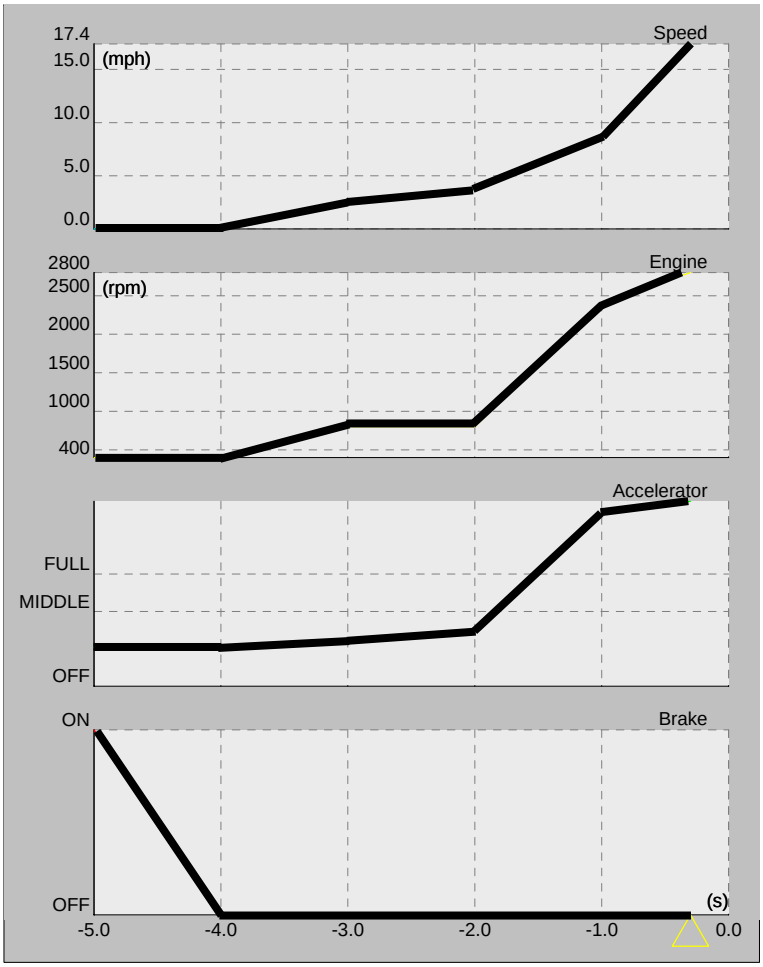
Graph Data

Latest/Frozen	BANK0

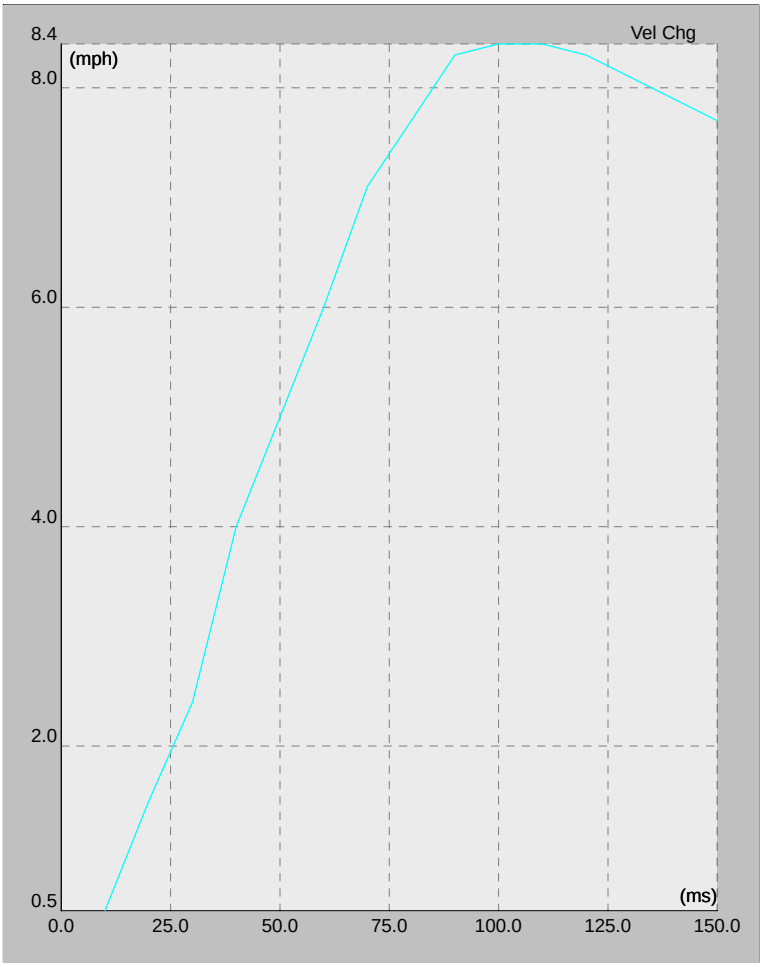
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	700 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	400	0.78(OFF	ON	-0.3	17.4	2800	3.71(FULI	OFF
-4.0	0.0	400	0.78(OFF	OFF					
-3.0	2.5	800	0.90(OFF	OFF					
-2.0	3.7	800	1.09(OFF	OFF					
-1.0	8.7	2400	3.44(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	6.0	110.0	8.4
20.0	1.5	70.0	7.1	120.0	8.3
30.0	2.4	80.0	7.7	130.0	8.1
40.0	4.0	90.0	8.3	140.0	7.9
50.0	5.0	100.0	8.4	150.0	7.7

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 22 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla [redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

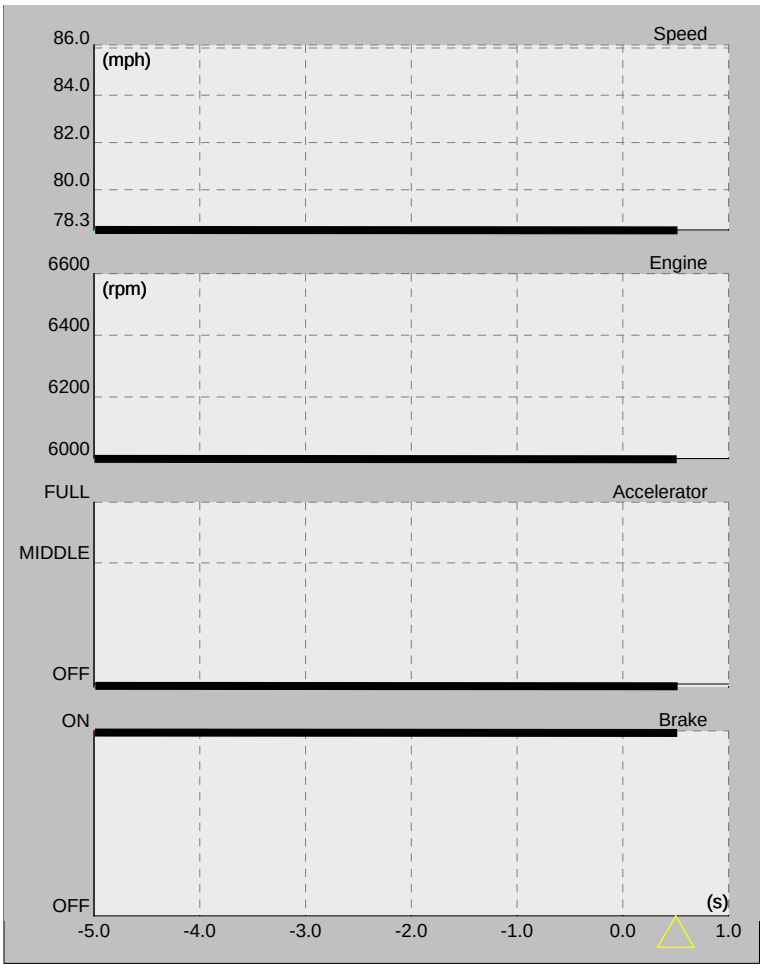
Graph Data

Next most recent	BANK1

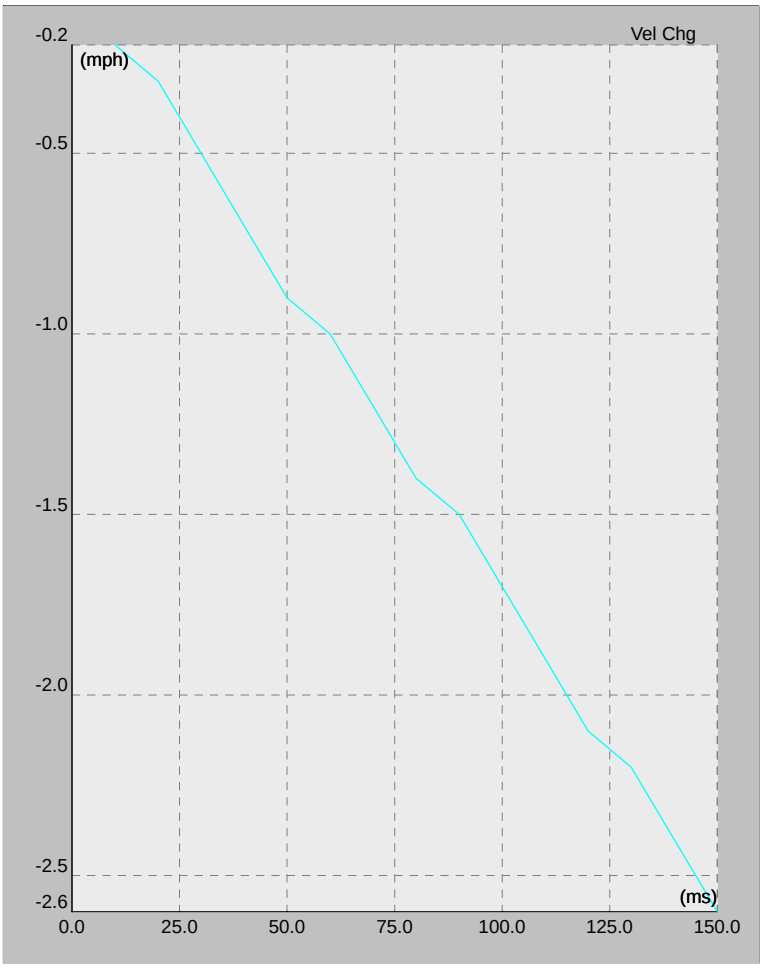
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 22 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla [redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

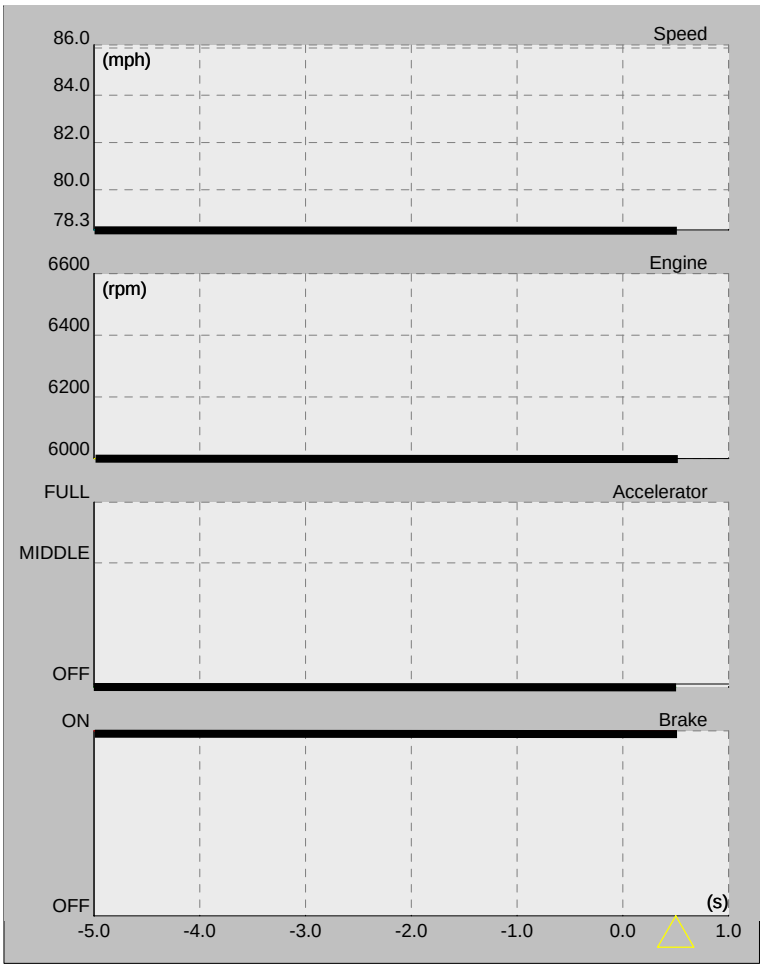
Graph Data

Past max. DeltaV	BANK2

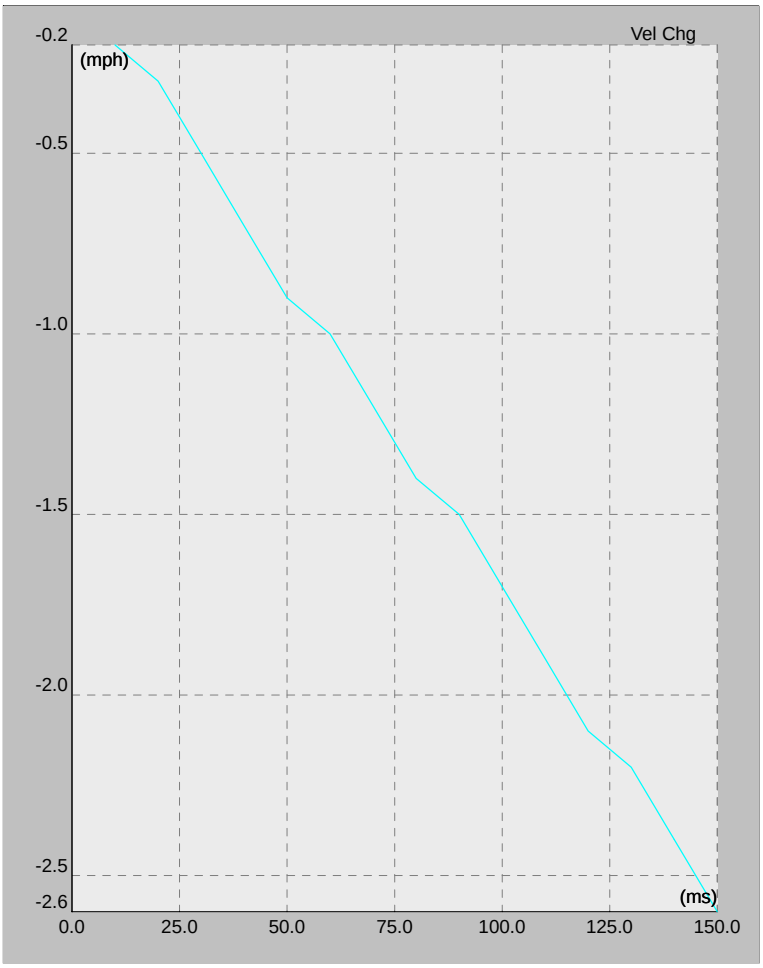
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

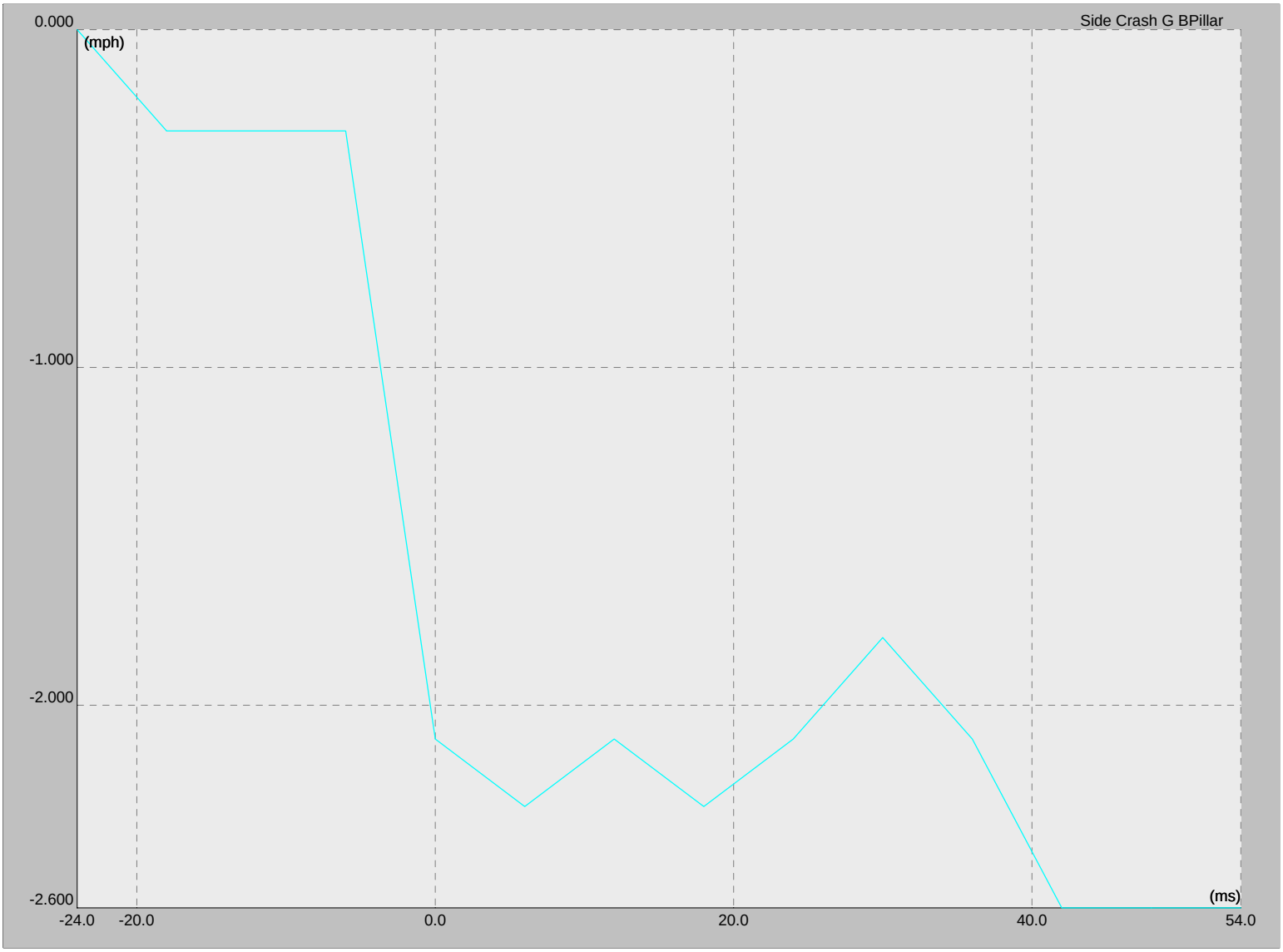
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 22 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla [redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	0.0
-18.0	-0.3
-12.0	-0.3
-6.0	-0.3
0.0	-2.1
6.0	-2.3
12.0	-2.1
18.0	-2.3
24.0	-2.1
30.0	-1.8
36.0	-2.1
42.0	-2.6
48.0	-2.6
54.0	-2.6

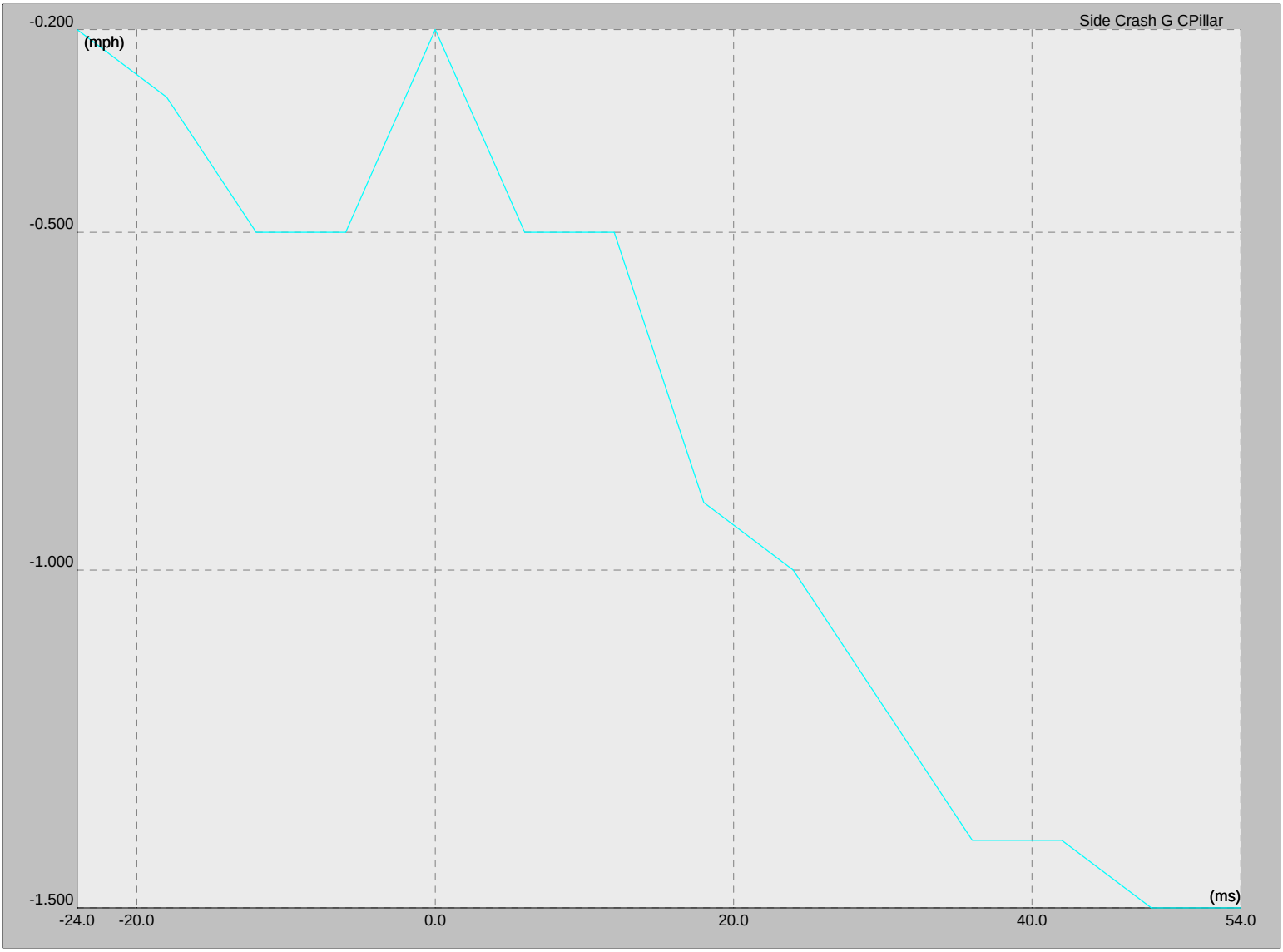
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 22 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla[redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.5
0.0	-0.2
6.0	-0.5
12.0	-0.5
18.0	-0.9
24.0	-1.0
30.0	-1.2
36.0	-1.4
42.0	-1.4
48.0	-1.5
54.0	-1.5

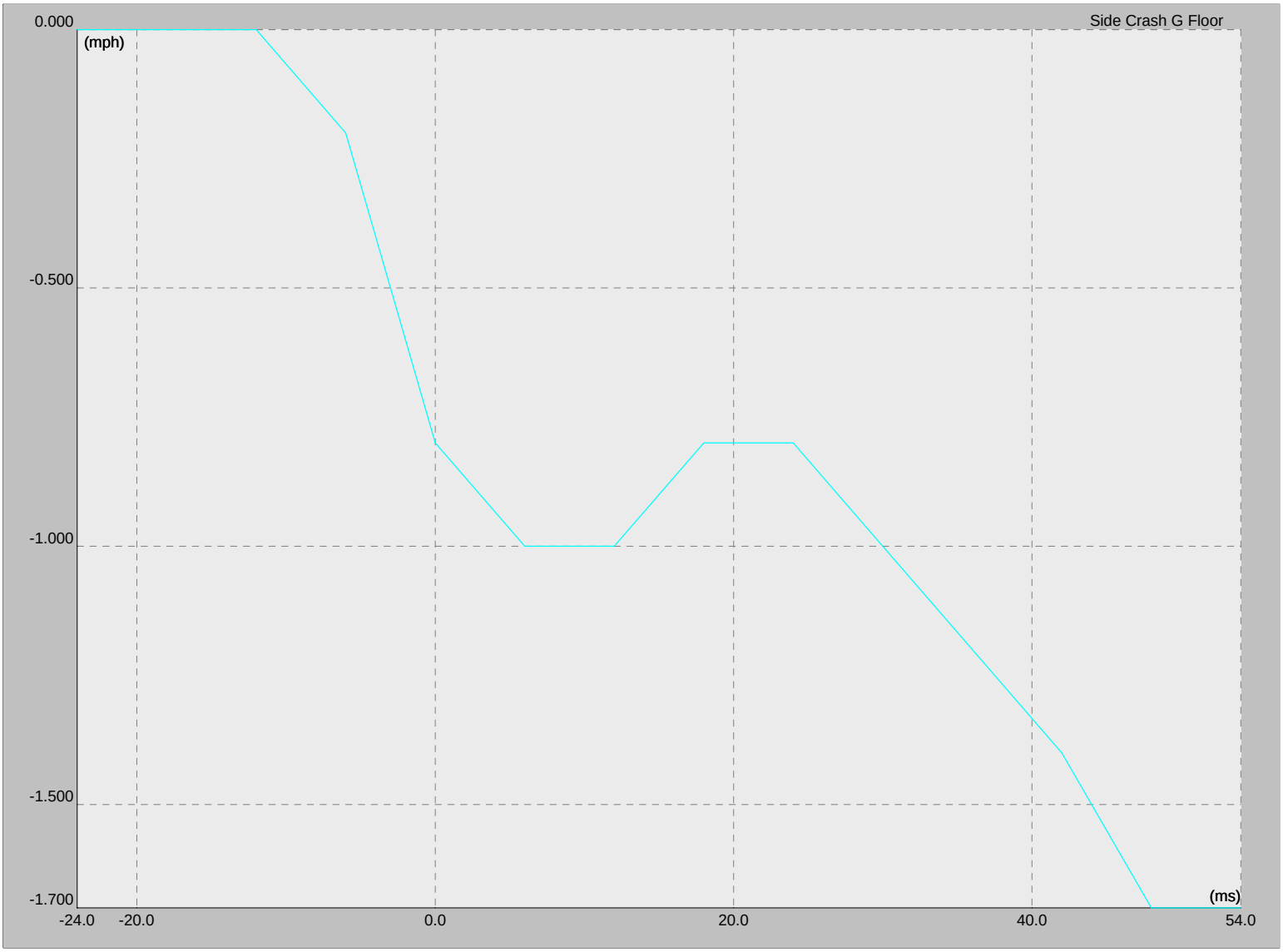
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 22 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	jry
ACCIDENT DATE	
VEHICLE	corolla [redacted]
MODEL YEAR	2009
VIN NUMBER	
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	0.0
-18.0	0.0
-12.0	0.0
-6.0	-0.2
0.0	-0.8
6.0	-1.0
12.0	-1.0
18.0	-0.8
24.0	-0.8
30.0	-1.0
36.0	-1.2
42.0	-1.4
48.0	-1.7
54.0	-1.7

Case 23

Vehicle MY - Model: 2006 Highlander

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: I was parking my Toyota Highlander when suddenly the car accelerated while I had my foot on the brake. I braked as hard as I could and the car continued to move forward until I put the car in Park and turned off the ignition. I moved a parked car completely out of their parking space and I went over half way thru the same space before I was able to stop my car. My brakes were smoking and I left tire marks on the asphalt. This all began when I was almost completely stopped in the parking space.

Incident Synopsis: Pulling into parking space; Struck parked vehicle

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 23 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	4[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax600[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-48220
R/O Deployment Time	0.0 ms
R/O RA MAX Value within 2sec. from trigger	0.0
R/O CSA-Manual Cut OFF(N/A)	(N/A)
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	0 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 23 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	4[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax600[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

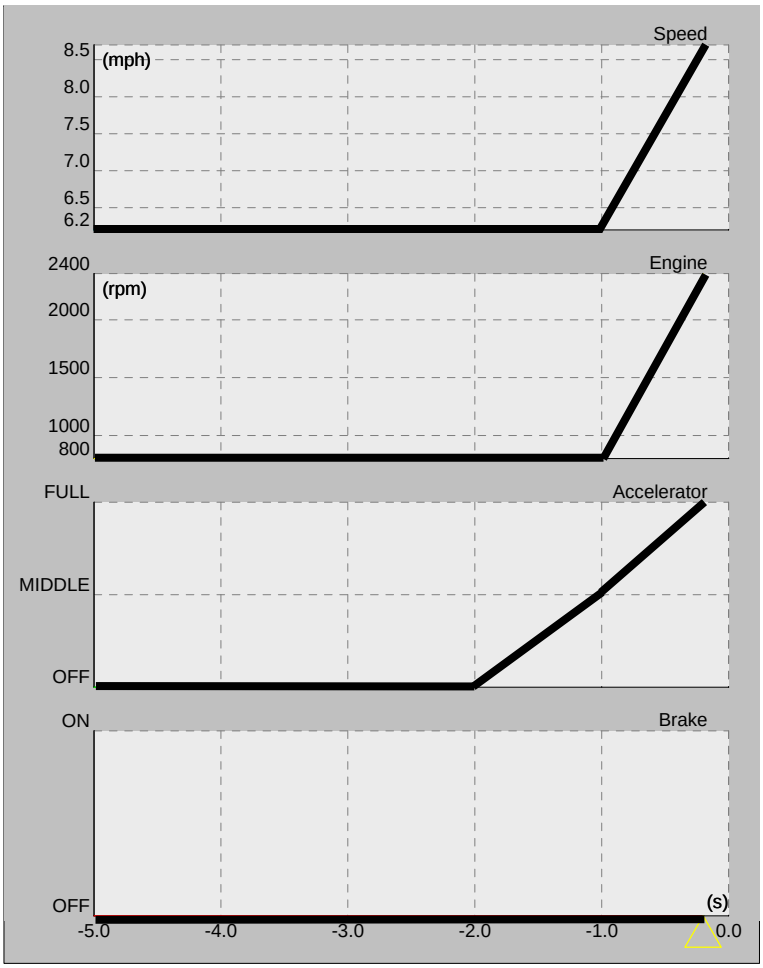
Graph Data

Latest/Frozen	BANK0

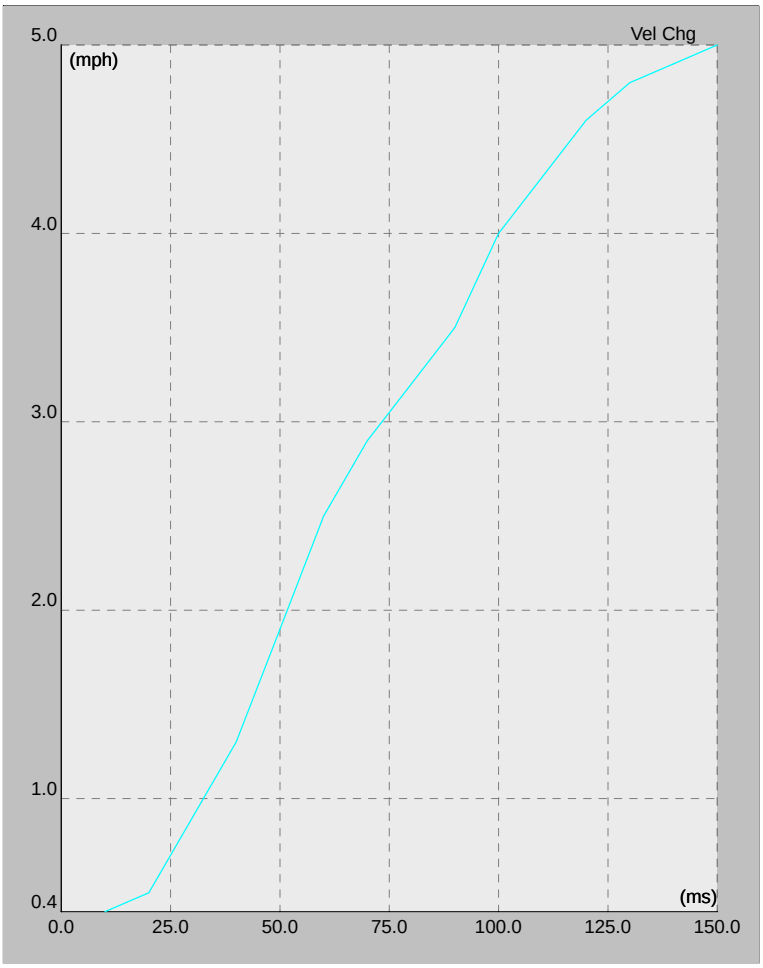
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	800 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	6.2	800	OFF	OFF	-0.2	8.7	2400	FULL	OFF
-4.0	6.2	800	OFF	OFF					
-3.0	6.2	800	OFF	OFF					
-2.0	6.2	800	OFF	OFF					
-1.0	6.2	800	MIDDLE	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	2.5	110.0	4.3
20.0	0.5	70.0	2.9	120.0	4.6
30.0	0.9	80.0	3.2	130.0	4.8
40.0	1.3	90.0	3.5	140.0	4.9
50.0	1.9	100.0	4.0	150.0	5.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 23 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax600[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

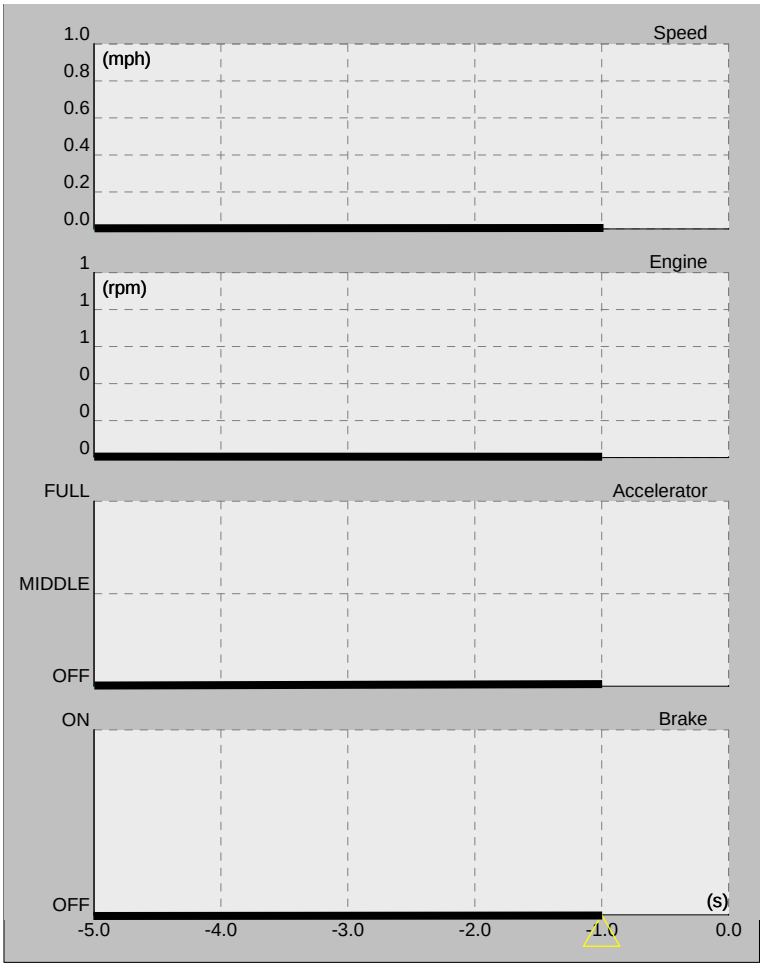
Graph Data

Next most recent	BANK1

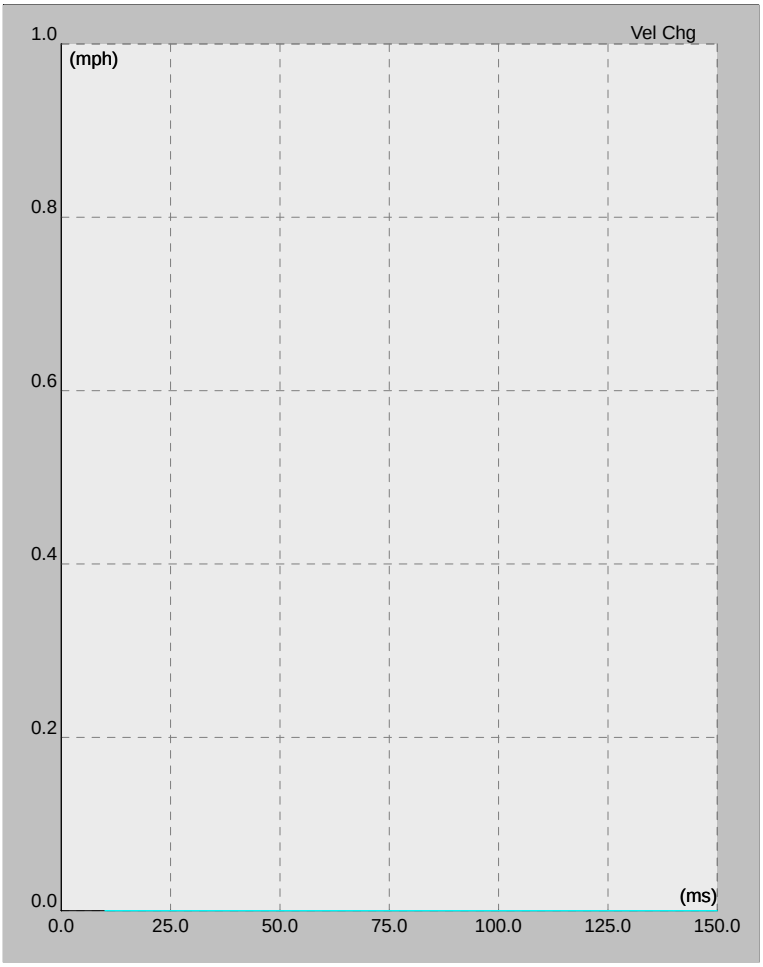
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 23 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	4[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax600[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

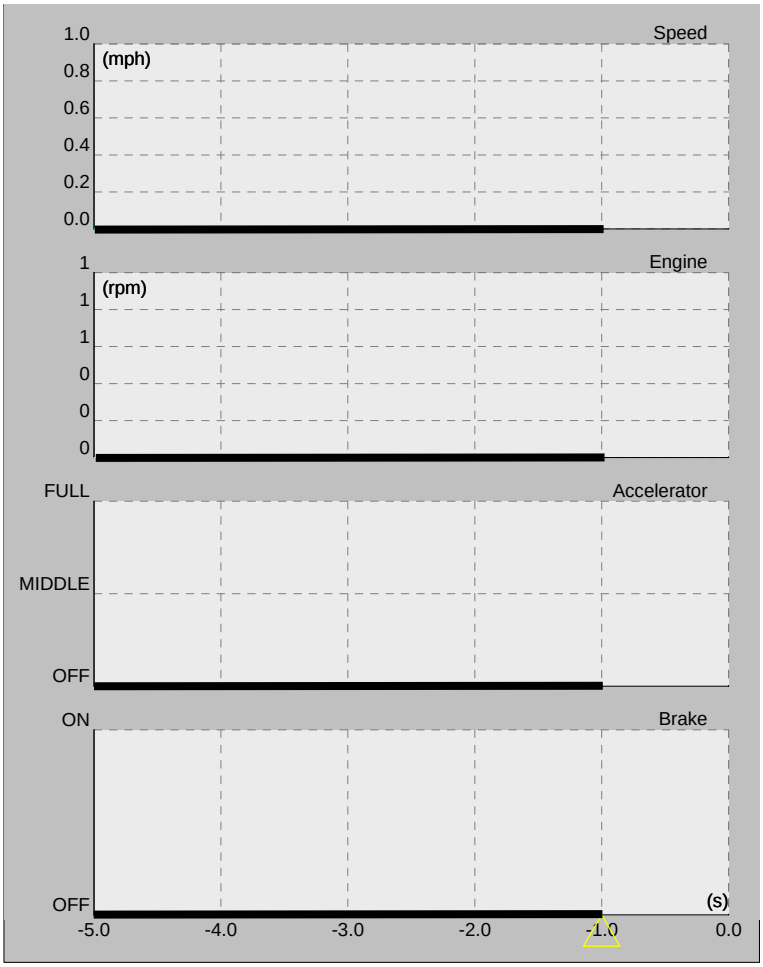
Graph Data

Past max. DeltaV	BANK2

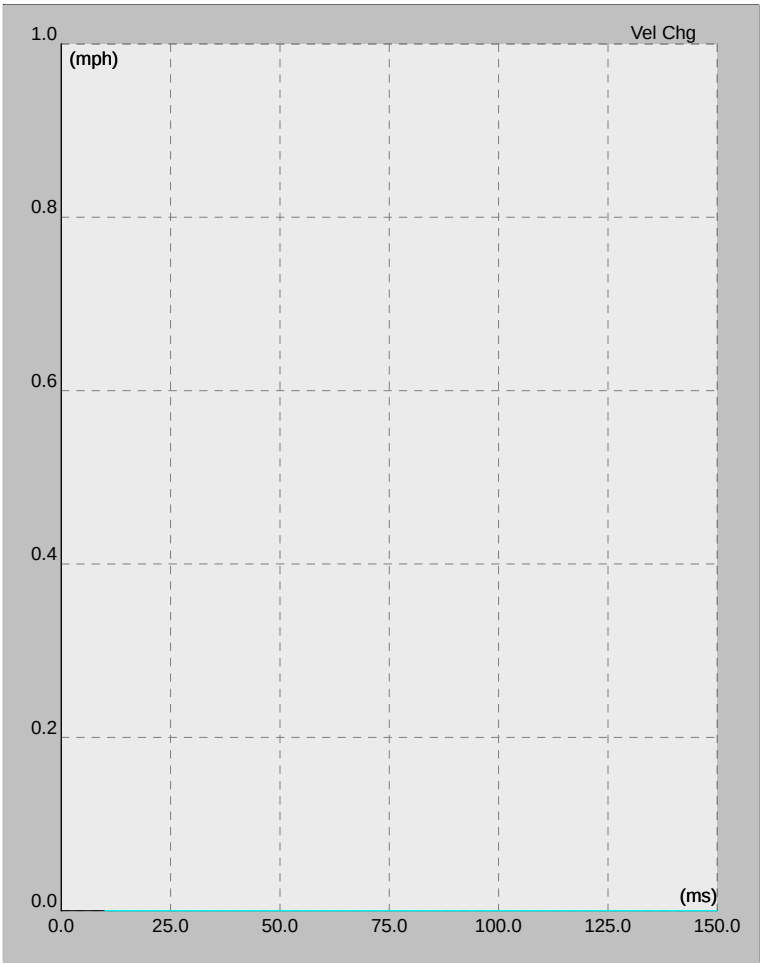
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

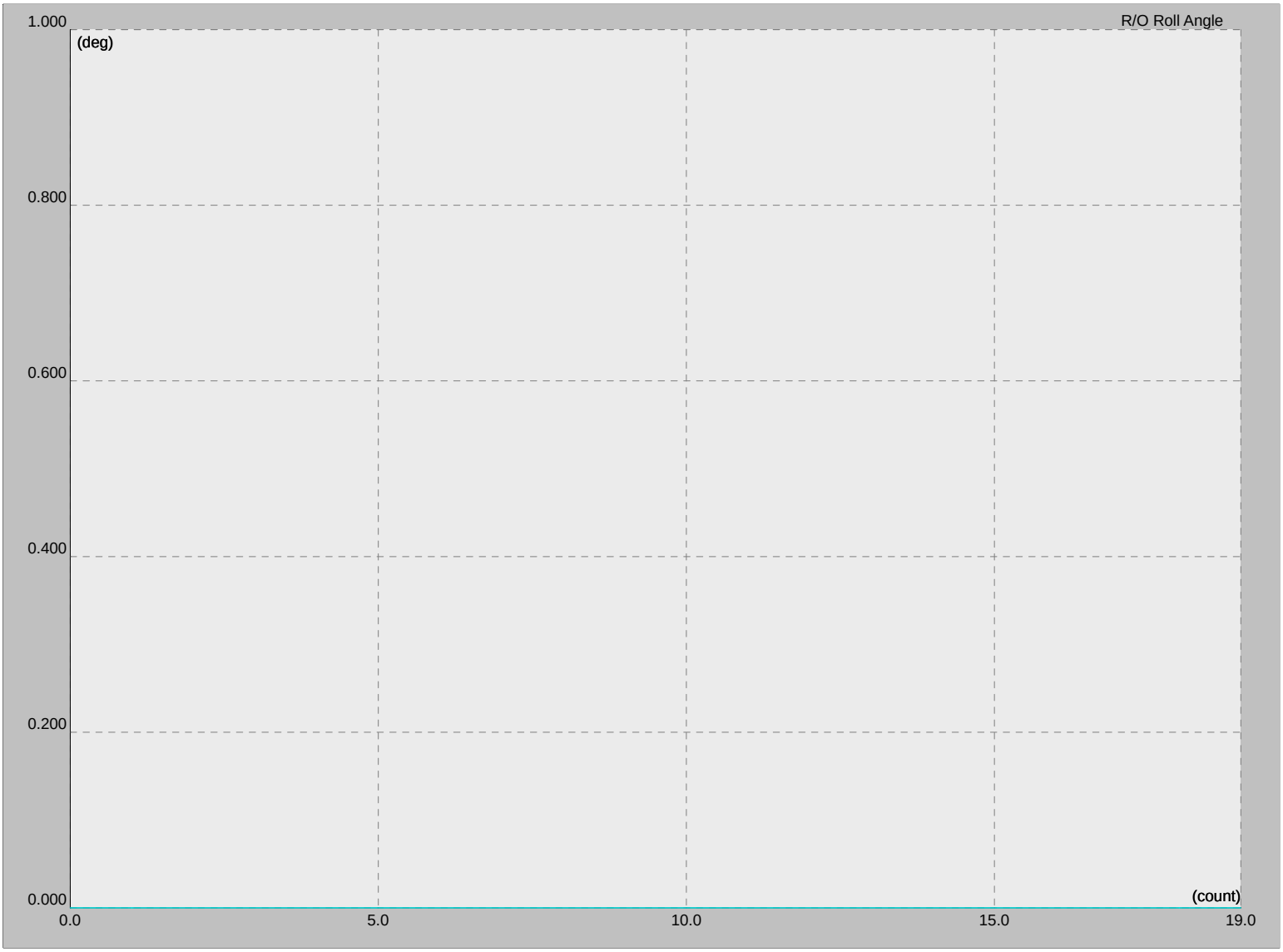
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 23 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax600[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	R/O Roll Angle



R/O Roll Angle GWave

count	R/O Roll Angle	count	R/O Roll Angle
0.0	0.0	17.0	0.0
1.0	0.0	18.0	0.0
2.0	0.0	19.0	0.0
3.0	0.0		
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		
15.0	0.0		
16.0	0.0		

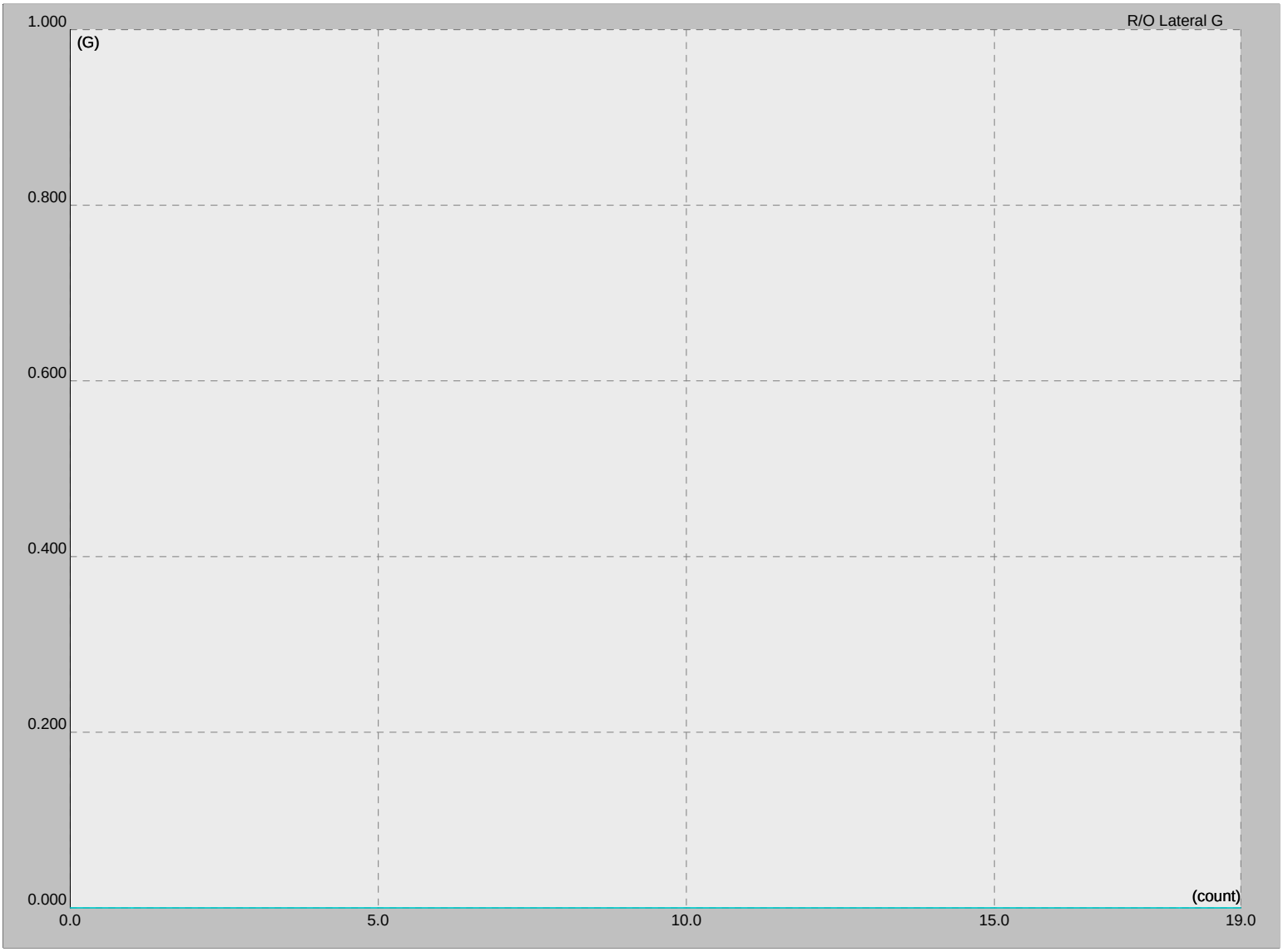
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 23 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman/Godfrey
ACCIDENT DATE	[redacted] 10
VEHICLE	Highlander
MODEL YEAR	2006
VIN NUMBER	jtedp21ax60[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	R/O Lateral G



R/O Lateral G GWave

count	R/O Lateral G	count	R/O Lateral G
0.0	0.0	17.0	0.0
1.0	0.0	18.0	0.0
2.0	0.0	19.0	0.0
3.0	0.0		
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		
15.0	0.0		
16.0	0.0		

Case 24

Vehicle MY - Model: 2009 Matrix

Incident Location: Roadway / Intersection

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Driving at high speed on local roads; left roadway part way through a left turn

Observation: EDR Pre-Crash Data Indicate: High speed at beginning w/ transition from accelerator to brake. Vehicle & engine speed drop fast w/ brake application; incident ends w/ engine at idle; Police report indicates that driver took a turn too fast

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 24 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-01100
Safing Left ON	CentralB CentralC
Safing Left OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right ON	CentralB CentralC
Safing Right OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Discrimination Left ON	
Discrimination Left OFF	bp cpHighG cpLowG CCU1Y
Discrimination Right ON	
Discrimination Right OFF	bp cpHighG cpLowG CCU1Y
Recorded Ama Side	RightSide
Deployment judgment Side	NonSide
Deployment Enabled	OFF
NewPage	2 Page
Freeze Signal	Freeze
Deployment Time	30 ms
Deployment Stage Driver	ExLo
Deployment Stage Passenger	ExLo

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 24 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

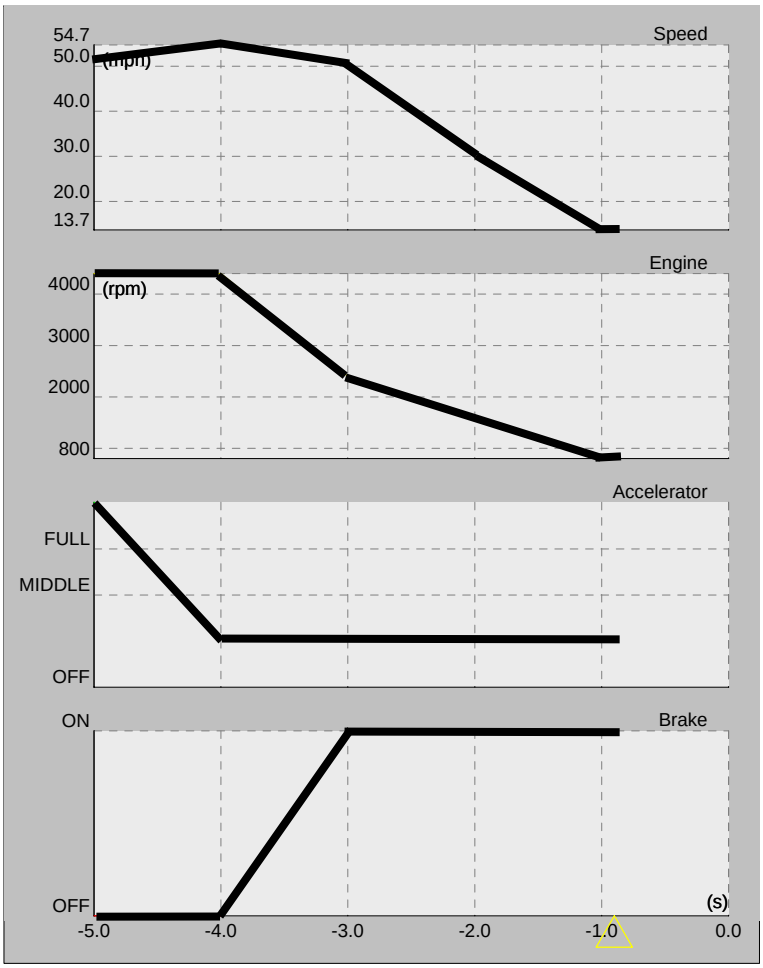
Graph Data

Latest/Frozen	BANK2
Freeze Signal	Freeze

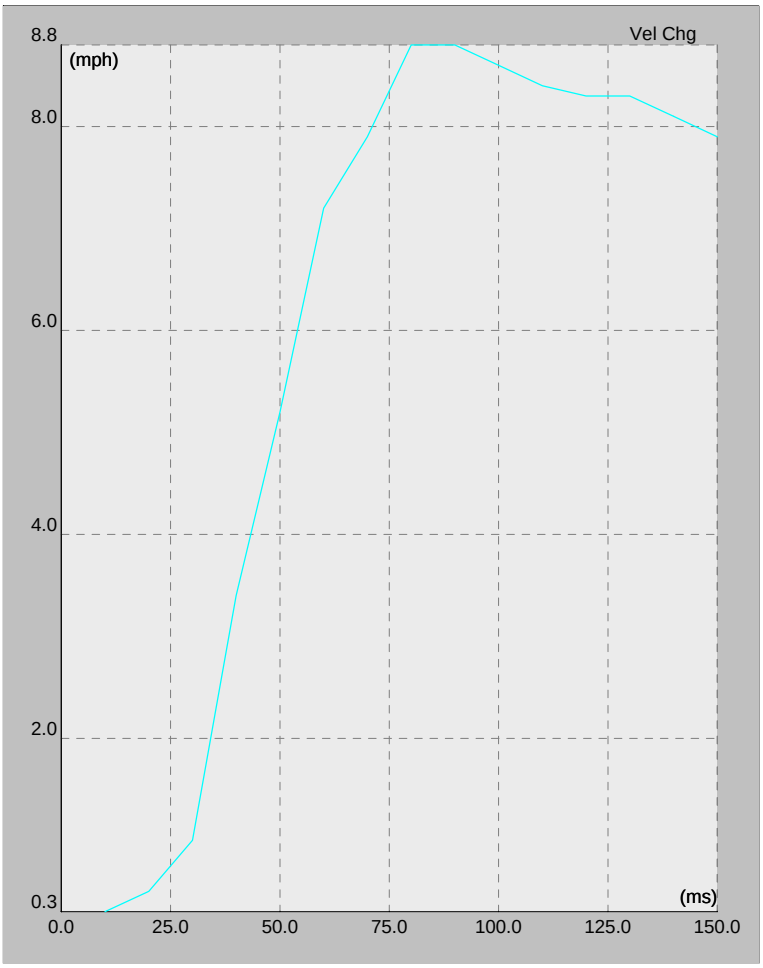
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	100 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	AM50
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	3
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	50.9	4400	3.01(FULI	OFF	-0.9	13.7	800	0.78(OFF	ON
-4.0	54.7	4400	0.78(OFF	OFF					
-3.0	50.9	2400	0.78(OFF	ON					
-2.0	31.1	1600	0.78(OFF	ON					
-1.0	13.7	800	0.78(OFF	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	7.2	110.0	8.4
20.0	0.5	70.0	7.9	120.0	8.3
30.0	1.0	80.0	8.8	130.0	8.3
40.0	3.4	90.0	8.8	140.0	8.1
50.0	5.2	100.0	8.6	150.0	7.9

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 24 Complete EDR Image

INVESTIGATION DATE	[redacted]6/2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

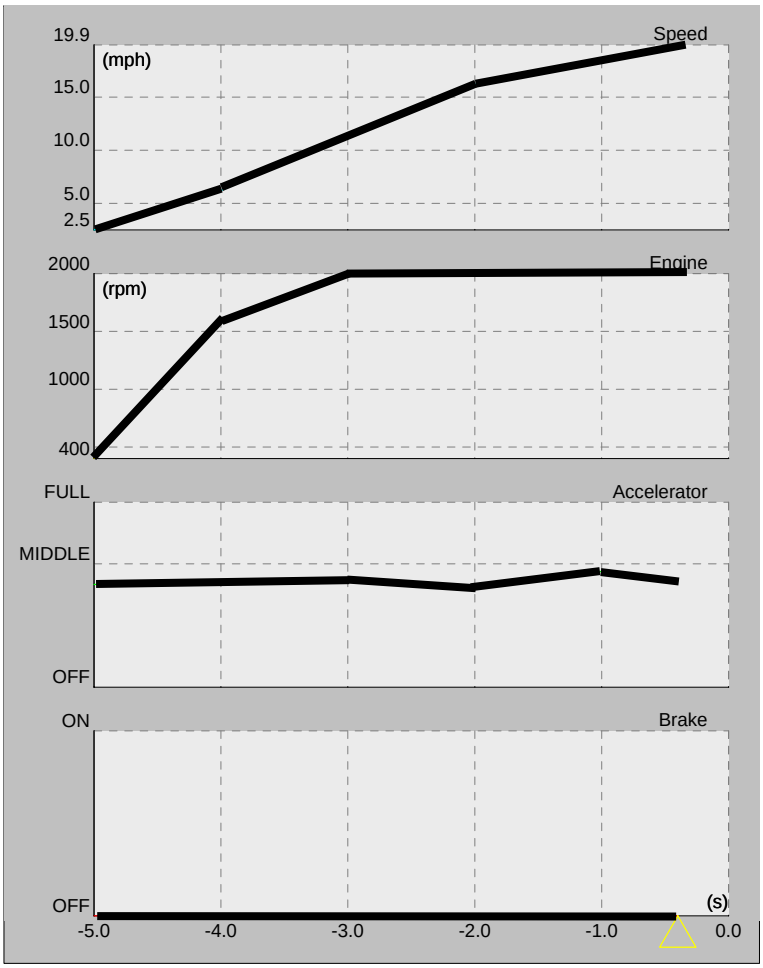
Graph Data

Next most recent	BANK1

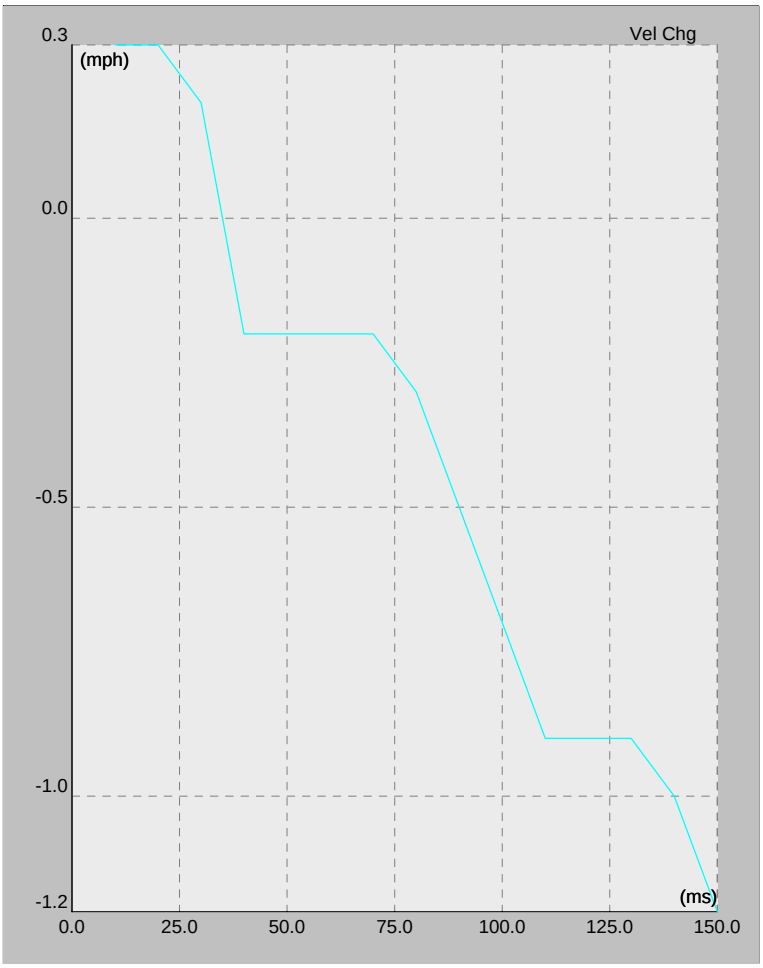
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	600 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	2
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	2.5	400	1.25(OFF	OFF	-0.4	19.9	2000	1.29(OFF	OFF
-4.0	6.2	1600	1.29(OFF	OFF					
-3.0	11.2	2000	1.33(OFF	OFF					
-2.0	16.2	2000	1.21(OFF	OFF					
-1.0	18.6	2000	1.41(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	-0.2	110.0	-0.9
20.0	0.3	70.0	-0.2	120.0	-0.9
30.0	0.2	80.0	-0.3	130.0	-0.9
40.0	-0.2	90.0	-0.5	140.0	-1.0
50.0	-0.2	100.0	-0.7	150.0	-1.2

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 24 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

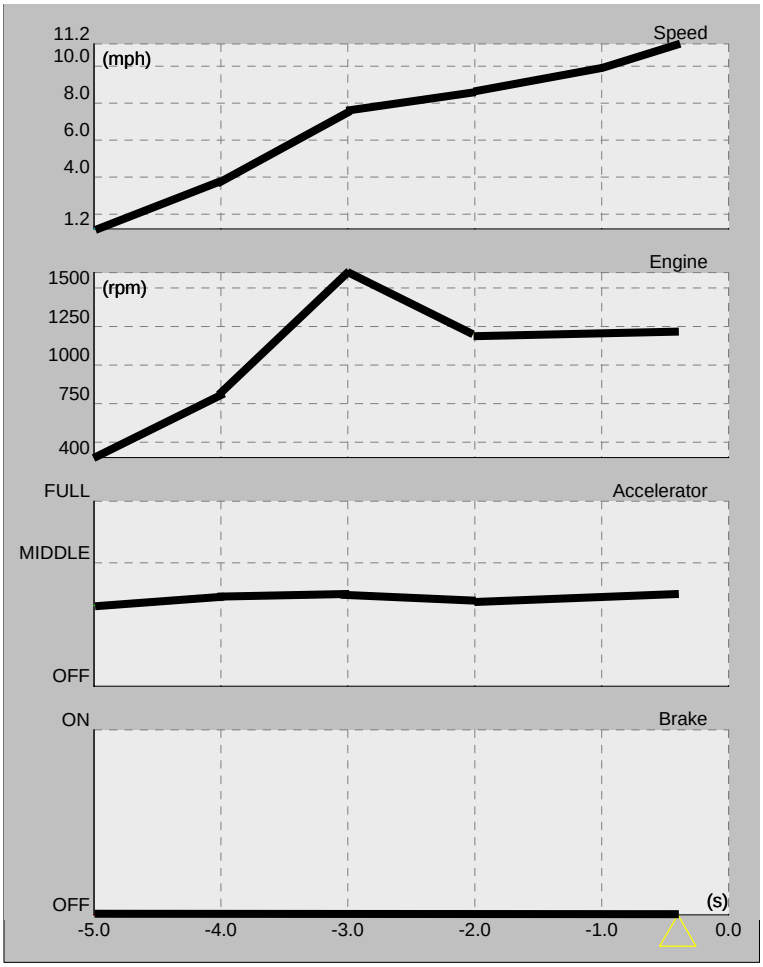
Graph Data

Past max. DeltaV	BANK0

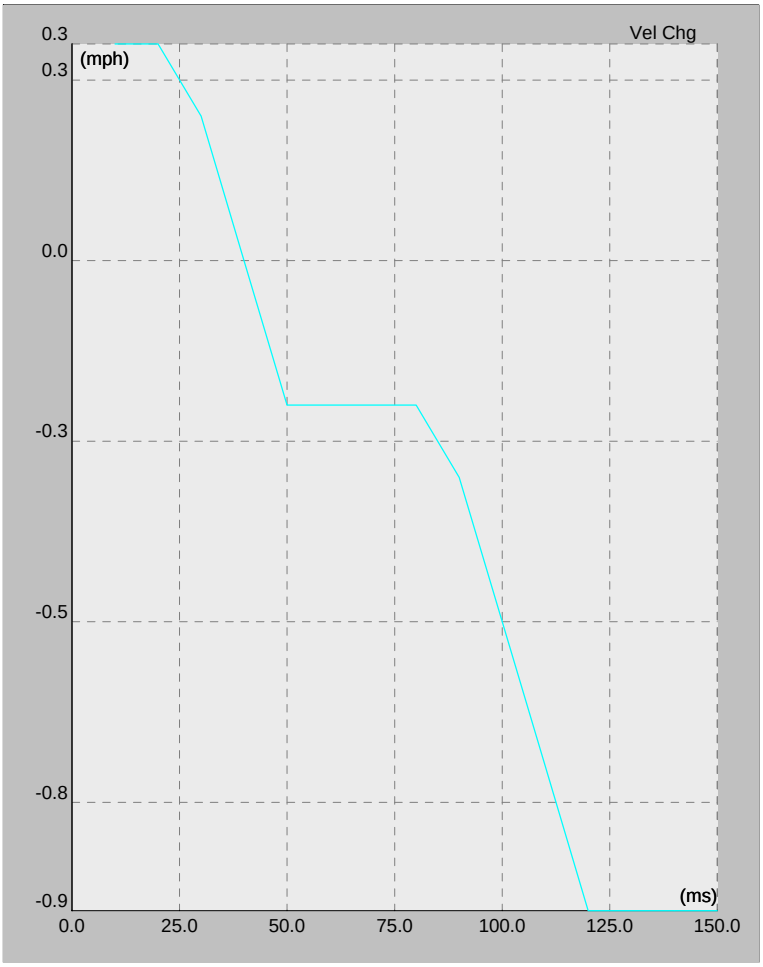
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	600 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	AM50
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	1.2	400	0.98(OFF	OFF	-0.4	11.2	1200	1.13(OFF	OFF
-4.0	3.7	800	1.09(OFF	OFF					
-3.0	7.5	1600	1.13(OFF	OFF					
-2.0	8.7	1200	1.05(OFF	OFF					
-1.0	9.9	1200	1.09(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	-0.2	110.0	-0.7
20.0	0.3	70.0	-0.2	120.0	-0.9
30.0	0.2	80.0	-0.2	130.0	-0.9
40.0	0.0	90.0	-0.3	140.0	-0.9
50.0	-0.2	100.0	-0.5	150.0	-0.9

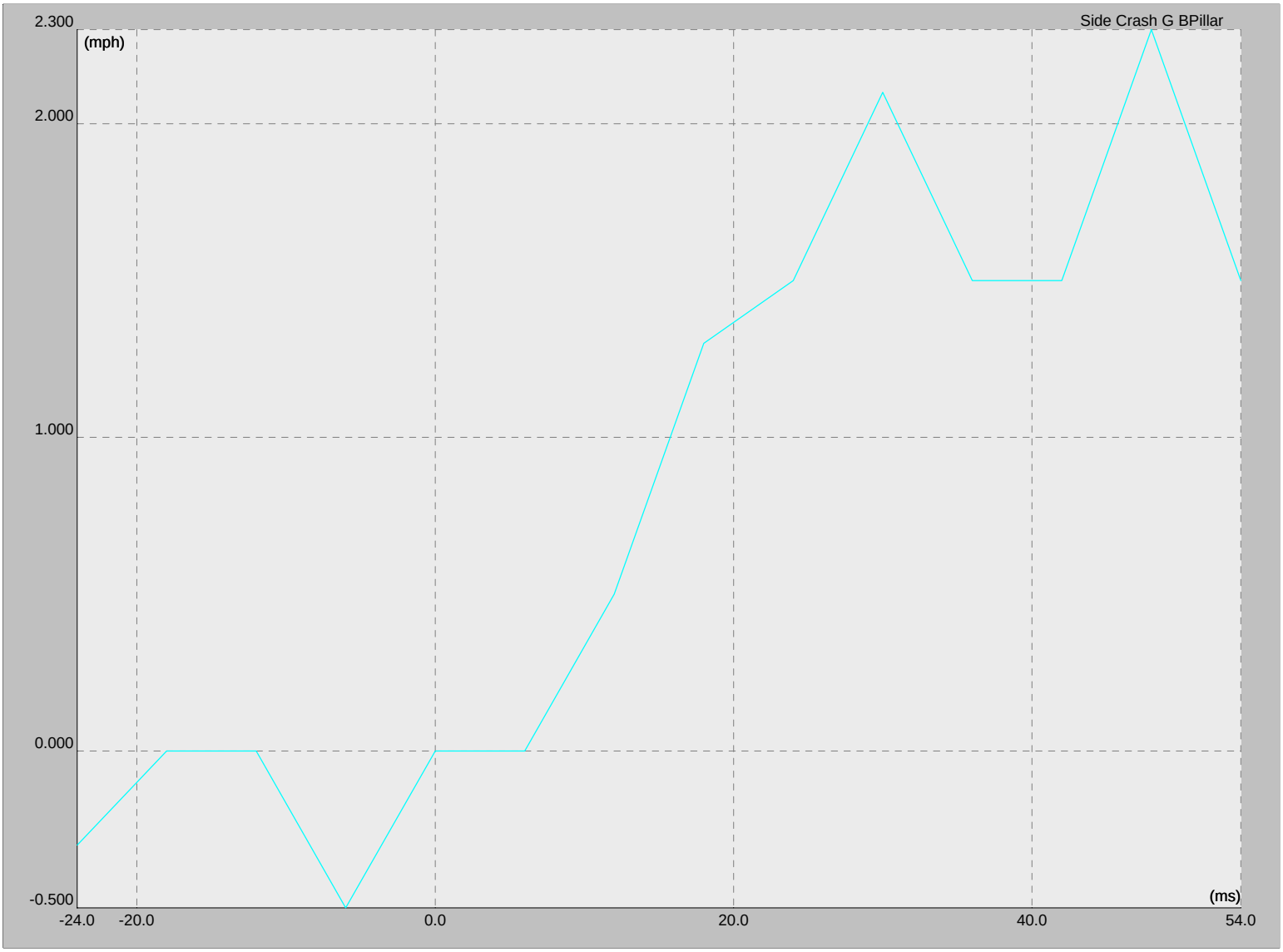
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 24 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar
Freeze Signal	Freeze



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	0.0
-12.0	0.0
-6.0	-0.5
0.0	0.0
6.0	0.0
12.0	0.5
18.0	1.3
24.0	1.5
30.0	2.1
36.0	1.5
42.0	1.5
48.0	2.3
54.0	1.5

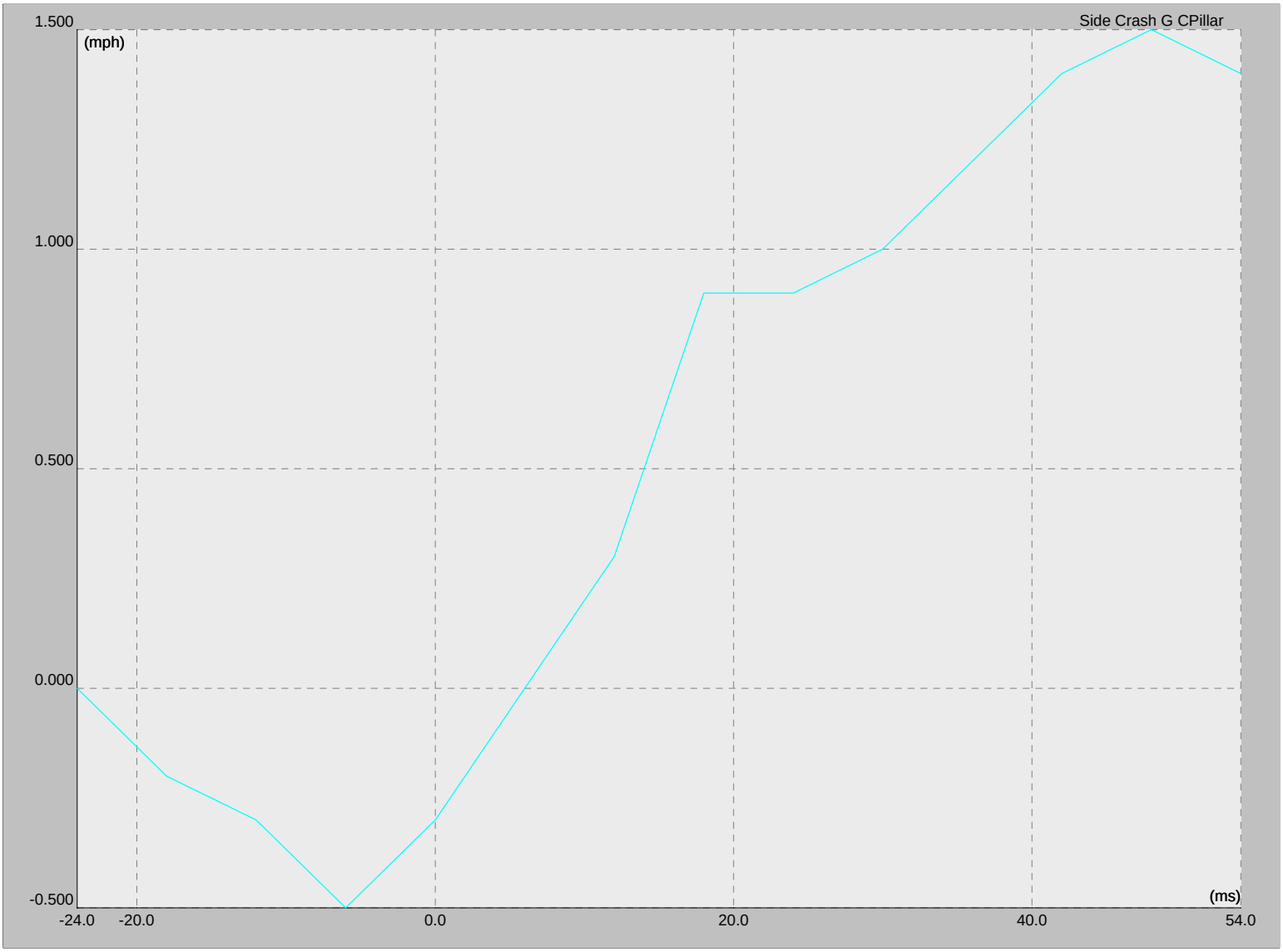
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 24 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar
Freeze Signal	Freeze



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	0.0
-18.0	-0.2
-12.0	-0.3
-6.0	-0.5
0.0	-0.3
6.0	0.0
12.0	0.3
18.0	0.9
24.0	0.9
30.0	1.0
36.0	1.2
42.0	1.4
48.0	1.5
54.0	1.4

PROTOTYPE READOUT TOOL REPORT

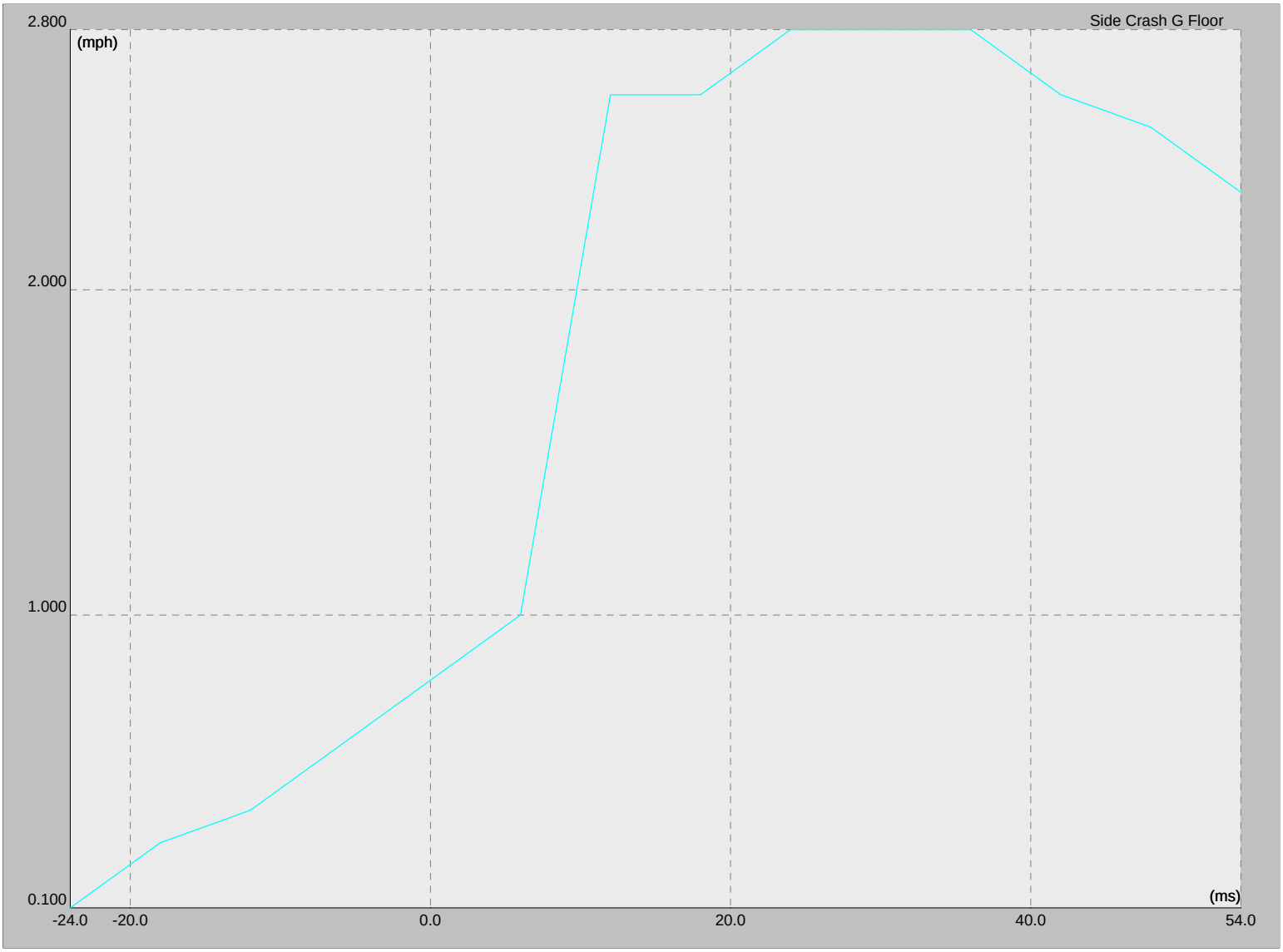
Event Data

Case 24 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor
Freeze Signal	Freeze



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	0.1
-18.0	0.3
-12.0	0.4
-6.0	0.6
0.0	0.8
6.0	1.0
12.0	2.6
18.0	2.6
24.0	2.8
30.0	2.8
36.0	2.8
42.0	2.6
48.0	2.5
54.0	2.3

Case 25

Vehicle MY - Model: 2008 ES350

Incident Location: Carwash

Inspection Prompted by: Complainant stated: While attempting to change gears with foot on the brake, the vehicle suddenly accelerated. Attempted to slow the vehicle down by depressing the brake pedal with both feet but the vehicle did not stop and collided into a wall

Incident Synopsis: Vehicle stopped in self-serve carwash bay; Struck curb and wall

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Latest Pre-Crash Page.0

RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

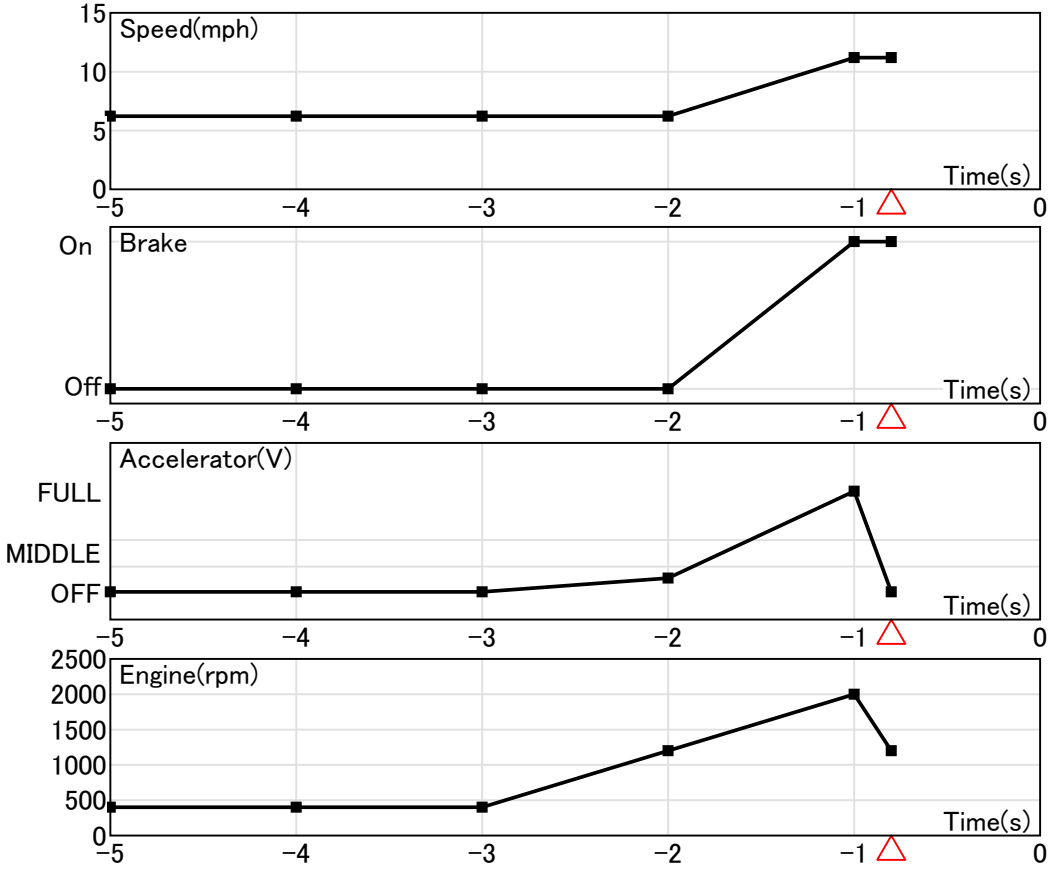
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RW
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	6.2	6.2	6.2	6.2	11.2	11.2(mph)
Brake	:	OFF	OFF	OFF	OFF	ON	ON
Accelerator	:	0.78	0.78	0.78	1.17	3.63	0.78(V)
		OFF	OFF	OFF	OFF	FULL	OFF
Engine	:	400	400	400	1200	2000	1200(rpm)

Time from Last PreCrash Data : 200(ms) △

Next Most Recent Pre-Crash Page.1

RecordStatus : Recorded

User Data

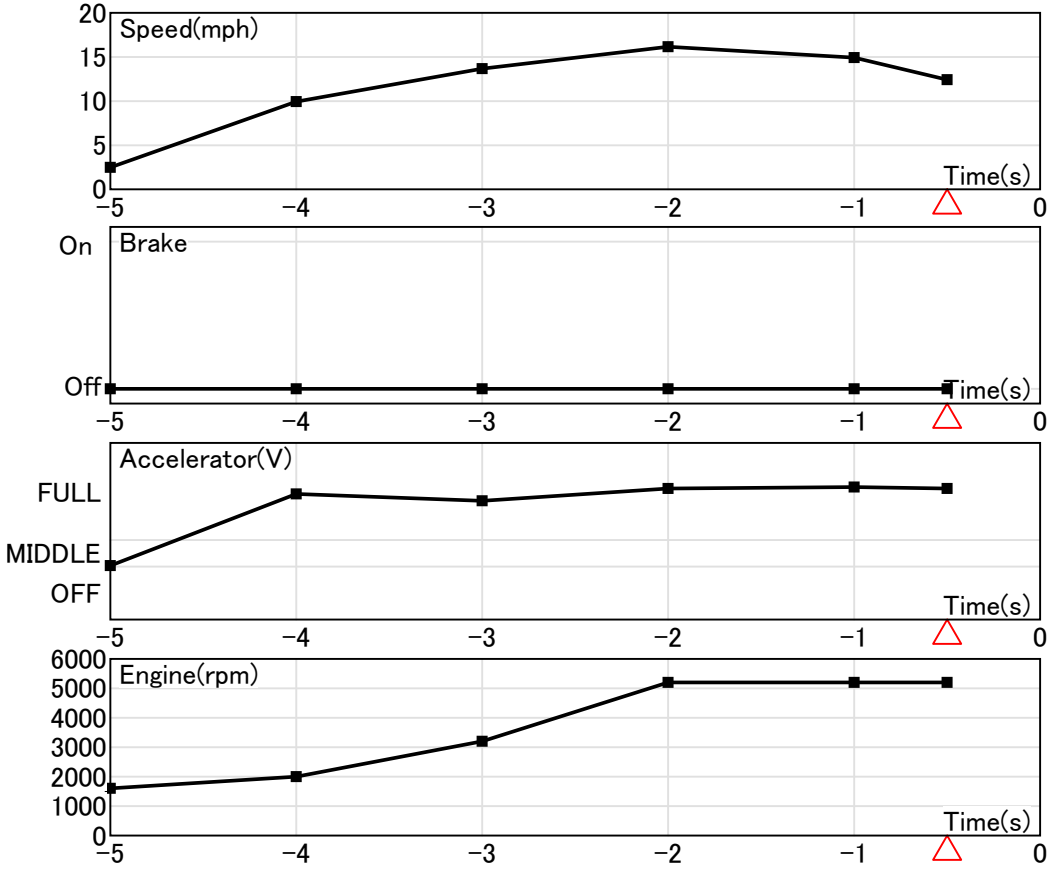
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RW
Shift Position	: P
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	2.5	9.9	13.7	16.2	14.9	12.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.52	3.55	3.36	3.71	3.75	3.71(V)
		MIDDLE	FULL	FULL	FULL	FULL	FULL
Engine	:	1600	2000	3200	5200	5200	5200(rpm)

Time from Last PreCrash Data : 500(ms) △

Frontal Crash Page.0

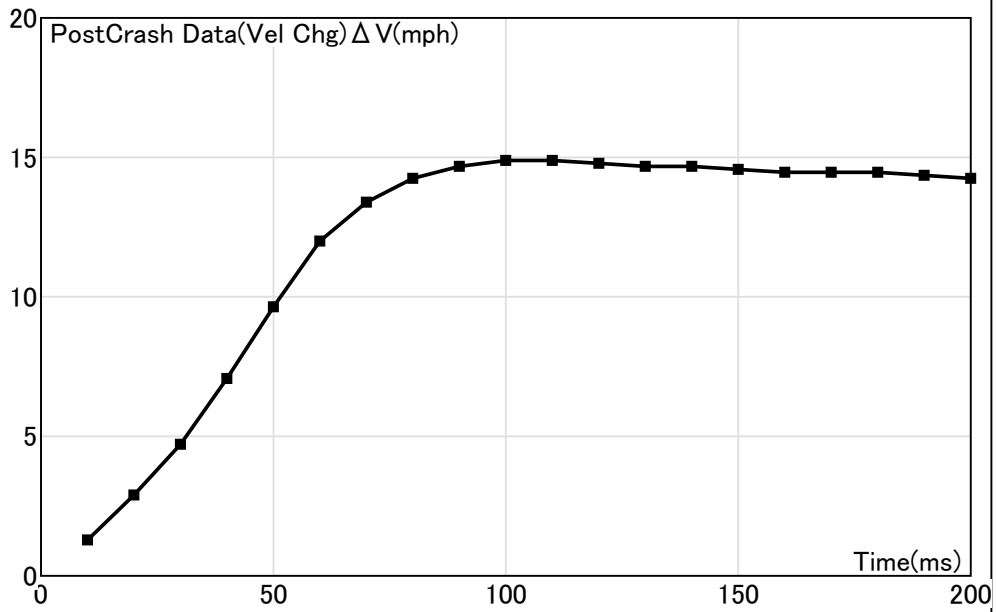
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: DGPearse
Accident Date	[redacted]2010
Vehicle	[redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 14.9(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 201(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.3
20	2.9
30	4.7
40	7.1
50	9.6
60	12.0
70	13.4
80	14.2
90	14.7
100	14.9
110	14.9
120	14.8
130	14.7
140	14.7
150	14.6
160	14.5
170	14.5
180	14.5
190	14.4
200	14.2

Frontal Crash Page.1

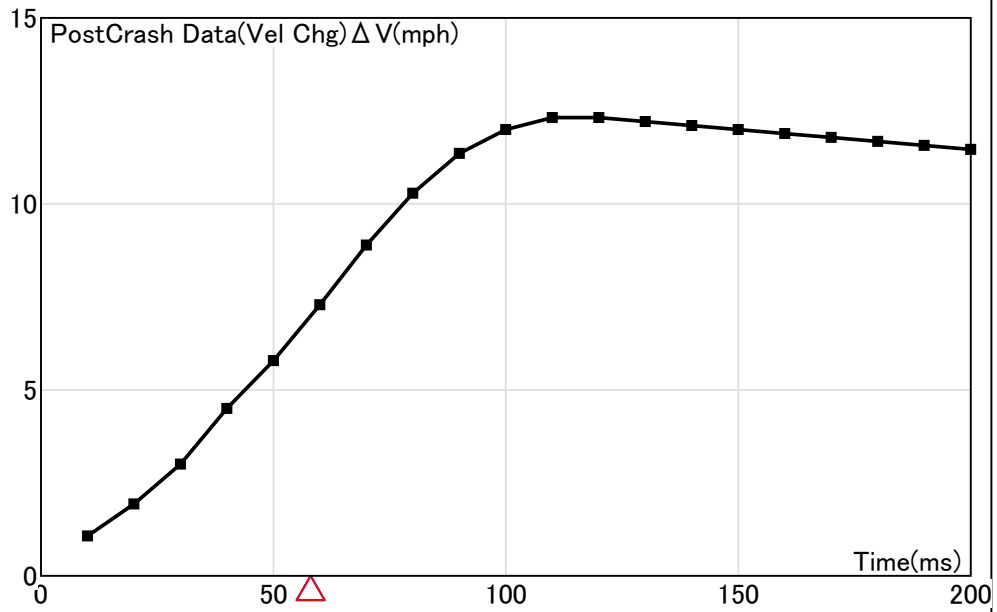
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: DGPearse
Accident Date	[redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 12.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 5(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 58(ms) △
Pretensioner Deployment Time	: 58(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.1
20	1.9
30	3.0
40	4.5
50	5.8
60	7.3
70	8.9
80	10.3
90	11.4
100	12.0
110	12.3
120	12.3
130	12.2
140	12.1
150	12.0
160	11.9
170	11.8
180	11.7
190	11.6
200	11.5

Side Crash Page.0

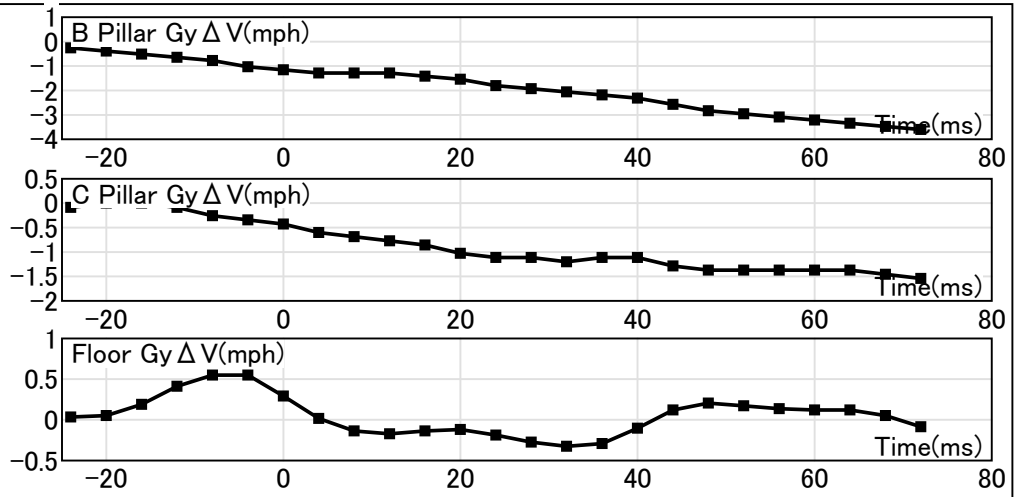
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 61(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-24	-0.3	-0.1	0.0
-20	-0.4	0.0	0.1
-16	-0.5	0.0	0.2
-12	-0.6	-0.1	0.4
-8	-0.8	-0.3	0.5
-4	-1.0	-0.3	0.5
0	-1.2	-0.4	0.3
4	-1.3	-0.6	0.0
8	-1.3	-0.7	-0.1
12	-1.3	-0.8	-0.2
16	-1.4	-0.9	-0.1
20	-1.5	-1.0	-0.1
24	-1.8	-1.1	-0.2
28	-1.9	-1.1	-0.3
32	-2.1	-1.2	-0.3
36	-2.2	-1.1	-0.3
40	-2.3	-1.1	-0.1
44	-2.6	-1.3	0.1
48	-2.8	-1.4	0.2
52	-3.0	-1.4	0.2
56	-3.1	-1.4	0.1
60	-3.2	-1.4	0.1
64	-3.3	-1.4	0.1
68	-3.5	-1.5	0.1
72	-3.6	-1.5	-0.1

Side Crash Page.1

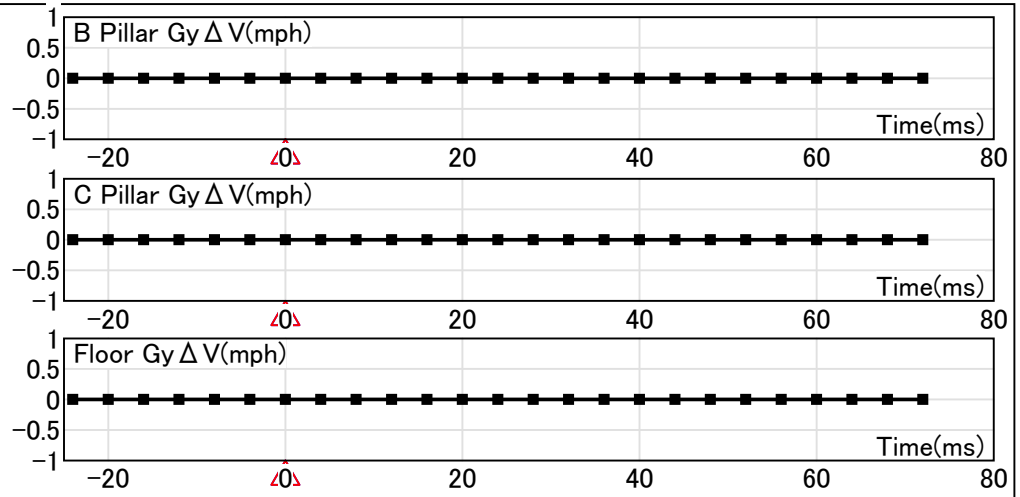
RecordStatus : Initial State

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−24	0.0	0.0	0.0
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

Case 26

Vehicle MY - Model: 2009 RAV4

Incident Location: Rural gravel driveway

Inspection Prompted by: Complainant stated: Toyota was traveling up a gravel driveway. As it proceeded up an incline the car rapidly accelerated. The driver tried the brake to no avail. Fearing that it would be unable to stop, driver veered off the driveway into the woods. The car struck several small trees, then turned over onto its side.

Incident Synopsis: Vehicle accelerated while traversing a long rural gravel driveway; Struck small trees, rolled over

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Case 26 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

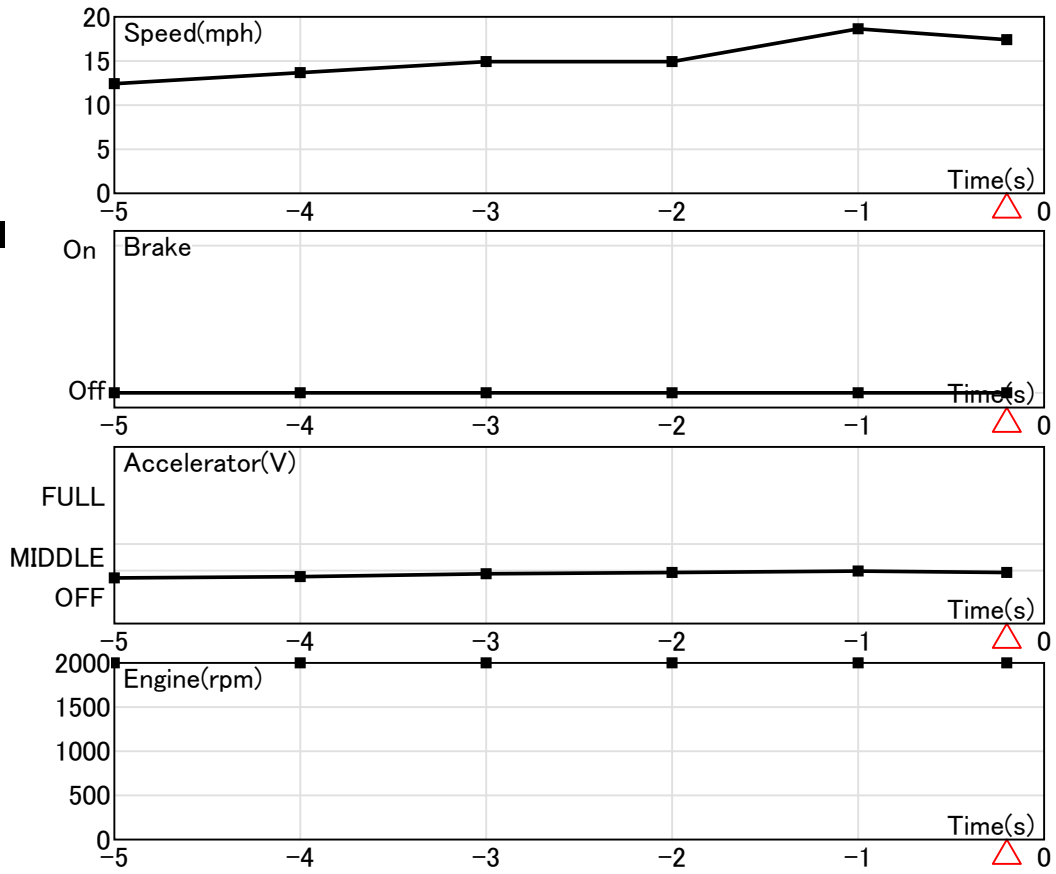
RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: GodfreyFreeman
Accident Date	[redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off	: OFF
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	12.4	13.7	14.9	14.9	18.6	17.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.29	1.33	1.41	1.45	1.48	1.45(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	2000	2000	2000	2000	2000	2000(rpm)

Time from Last PreCrash Data : 800(ms) △

Case 26 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

System Information

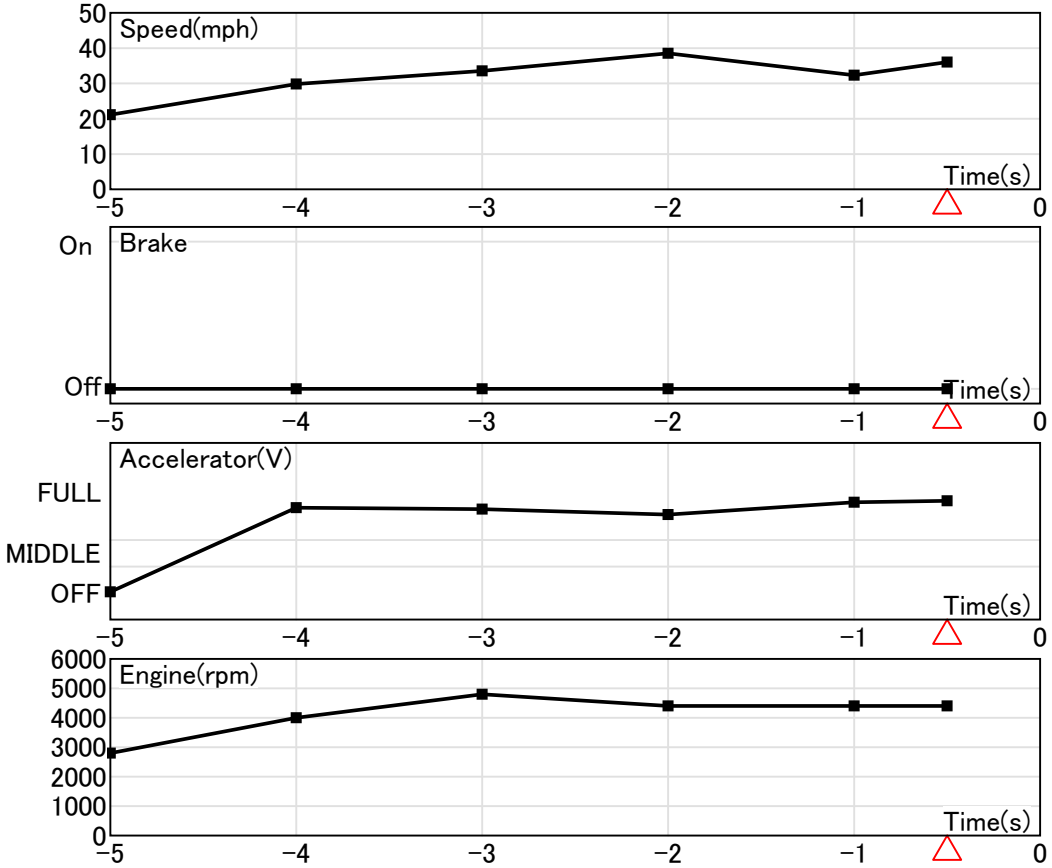
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: CSA(R/ONonCrash)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off	: OFF
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	21.1	29.8	33.6	38.5	32.3	36.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	3.16	3.13	2.97	3.32	3.36(V)
		OFF	FULL	FULL	FULL	FULL	FULL
Engine	:	2800	4000	4800	4400	4400	4400(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 26 Complete EDR Image

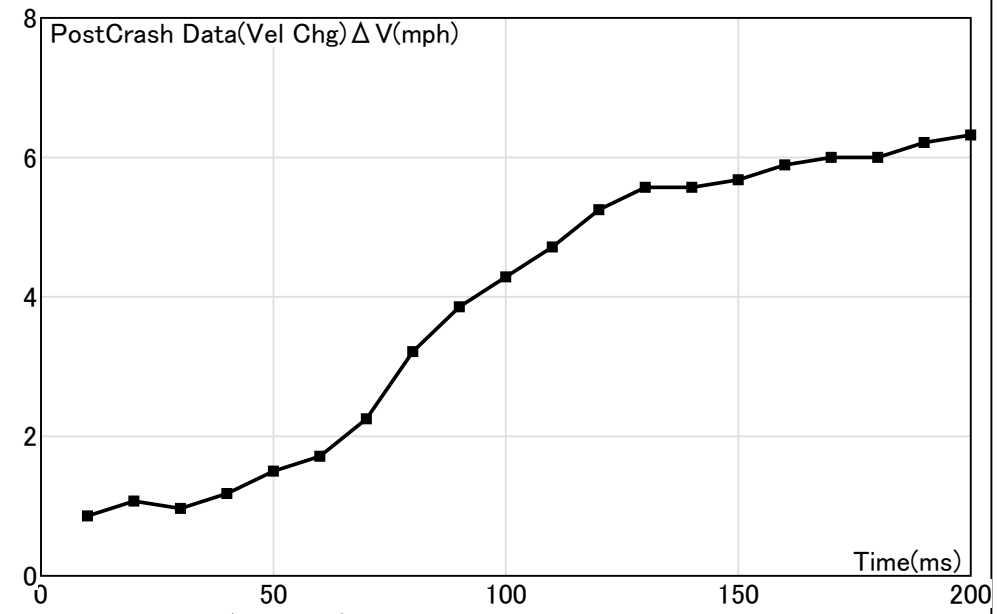
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 6.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.9
20	1.1
30	1.0
40	1.2
50	1.5
60	1.7
70	2.2
80	3.2
90	3.9
100	4.3
110	4.7
120	5.2
130	5.6
140	5.6
150	5.7
160	5.9
170	6.0
180	6.0
190	6.2
200	6.3

Case 26 Complete EDR Image

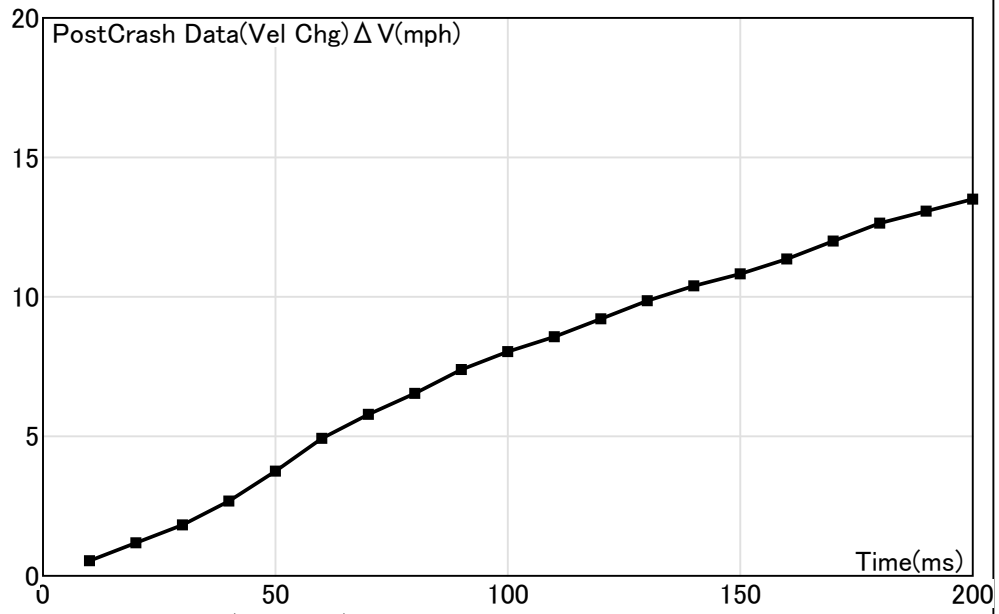
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 13.5(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 5(times)
Previous Event	: R/ONonCrash
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 398(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.2
30	1.8
40	2.7
50	3.7
60	4.9
70	5.8
80	6.5
90	7.4
100	8.0
110	8.6
120	9.2
130	9.9
140	10.4
150	10.8
160	11.4
170	12.0
180	12.6
190	13.1
200	13.5

Case 26 Complete EDR Image

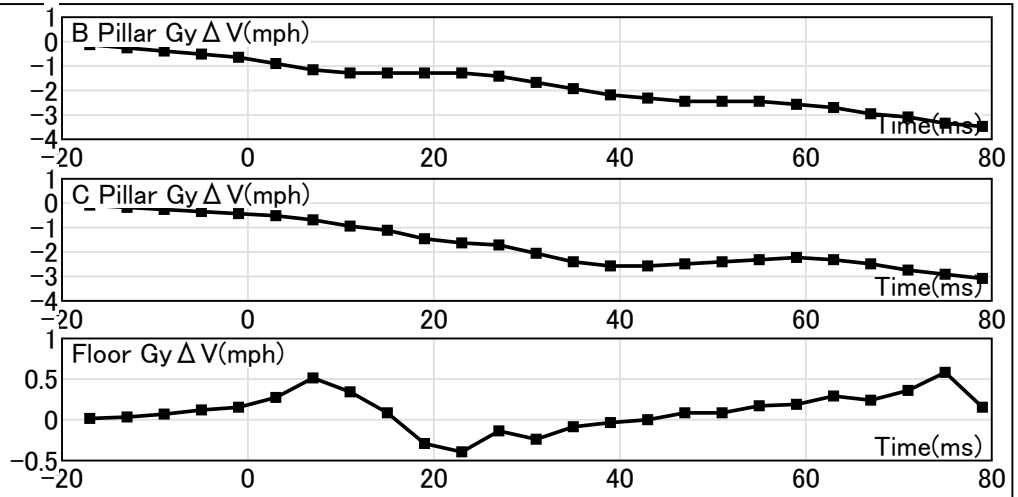
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	-0.1	-0.1	0.0
-13	-0.3	-0.2	0.0
-9	-0.4	-0.3	0.1
-5	-0.5	-0.3	0.1
-1	-0.6	-0.4	0.2
3	-0.9	-0.5	0.3
7	-1.2	-0.7	0.5
11	-1.3	-0.9	0.3
15	-1.3	-1.1	0.1
19	-1.3	-1.5	-0.3
23	-1.3	-1.6	-0.4
27	-1.4	-1.7	-0.1
31	-1.7	-2.1	-0.2
35	-1.9	-2.4	-0.1
39	-2.2	-2.6	-0.0
43	-2.3	-2.6	0.0
47	-2.4	-2.5	0.1
51	-2.4	-2.4	0.1
55	-2.4	-2.3	0.2
59	-2.6	-2.2	0.2
63	-2.7	-2.3	0.3
67	-3.0	-2.5	0.2
71	-3.1	-2.7	0.4
75	-3.3	-2.9	0.6
79	-3.5	-3.1	0.2

Case 26 Complete EDR Image

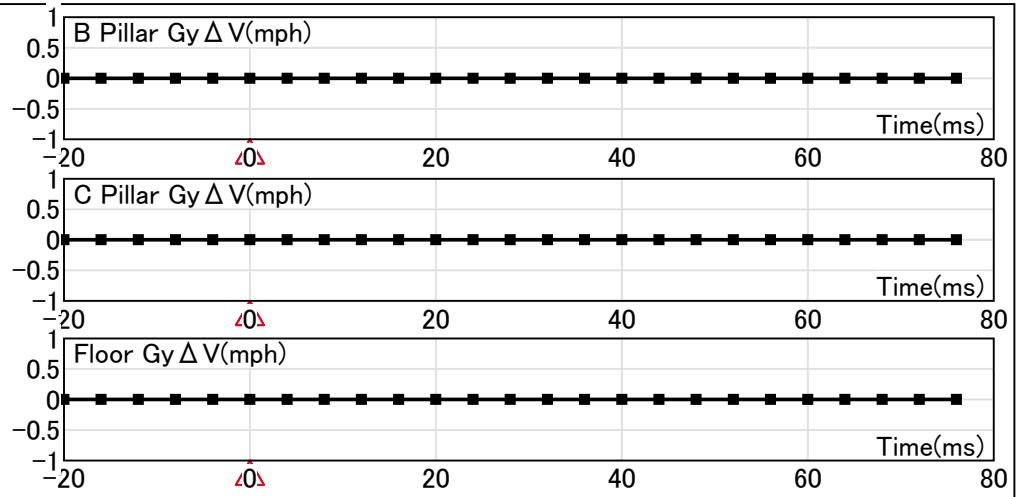
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 26 Complete EDR Image

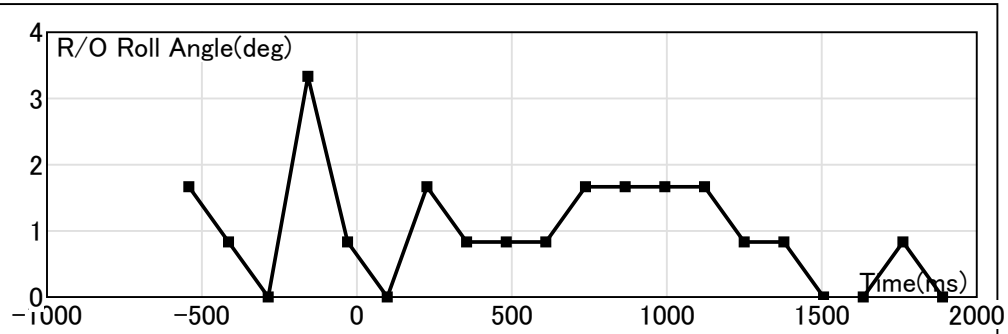
Roll Over Page.0

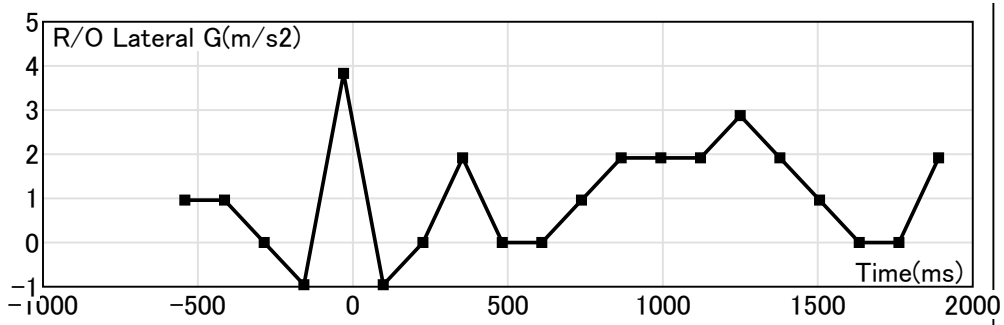
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 98(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 2.8(deg)
Crash Mode	: NonCrashData
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−542	1.7	1.0
−414	0.8	1.0
−286	0.0	0.0
−158	3.3	−1.0
−30	0.8	3.8
98	0.0	−1.0
226	1.7	0.0
354	0.8	1.9
482	0.8	0.0
610	0.8	0.0
738	1.7	1.0
866	1.7	1.9
994	1.7	1.9
1122	1.7	1.9
1250	0.8	2.9
1378	0.8	1.9
1506	0.0	1.0
1634	0.0	0.0
1762	0.8	0.0
1890	0.0	1.9

Case 26 Complete EDR Image

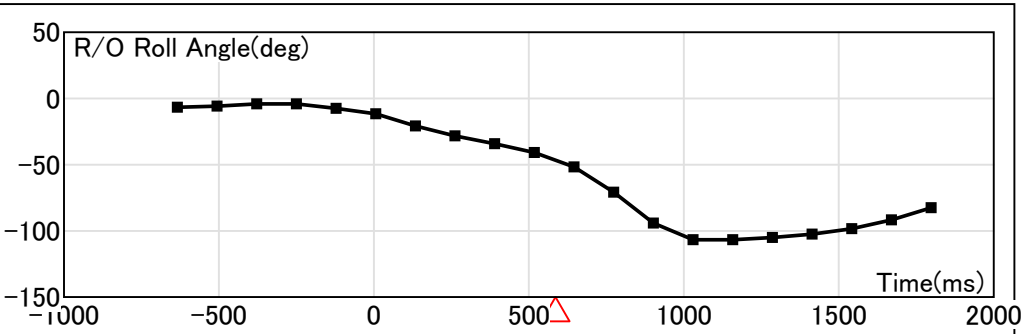
Roll Over Page.1

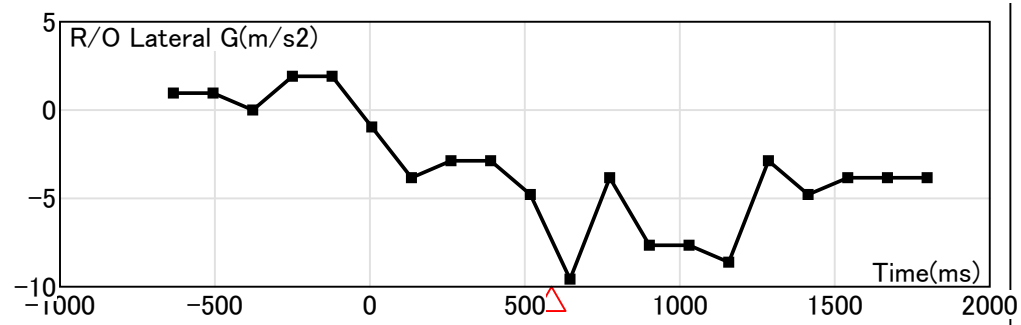
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: GodfreyFreeman
Accident Date	: [redacted] 2010
Vehicle	: RAV4
Model Year	: 2009
VIN Number	: JTMZF33V99D[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42380
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 6(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: −106.7(deg)
Crash Mode	: NonCrashData
TRG Counter	: 4(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 9(ms)
Deployment Time	: 586(ms) △
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−634	−6.7	1.0
−506	−5.8	1.0
−378	−4.2	0.0
−250	−4.2	1.9
−122	−7.5	1.9
6	−11.7	−1.0
134	−20.8	−3.8
262	−28.3	−2.9
390	−34.2	−2.9
518	−40.8	−4.8
646	−51.7	−9.6
774	−70.8	−3.8
902	−94.2	−7.7
1030	−106.7	−7.7
1158	−106.7	−8.6
1286	−105.0	−2.9
1414	−102.5	−4.8
1542	−98.3	−3.8
1670	−91.7	−3.8
1798	−82.5	−3.8

Case 27

Vehicle MY - Model: 2006 RX400h

Incident Location: Roadway

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Was traversing a long private driveway, left the road surface; Struck tree

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 27 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-48150
R/O Deployment Time	0.0 ms
R/O RA MAX Value within 2sec. from trigger	0.0
R/O CSA-Manual Cut OFF(N/A)	(N/A)
NewPage	0 Page
Freeze Signal	Freeze
Deployment Time	8 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 27 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

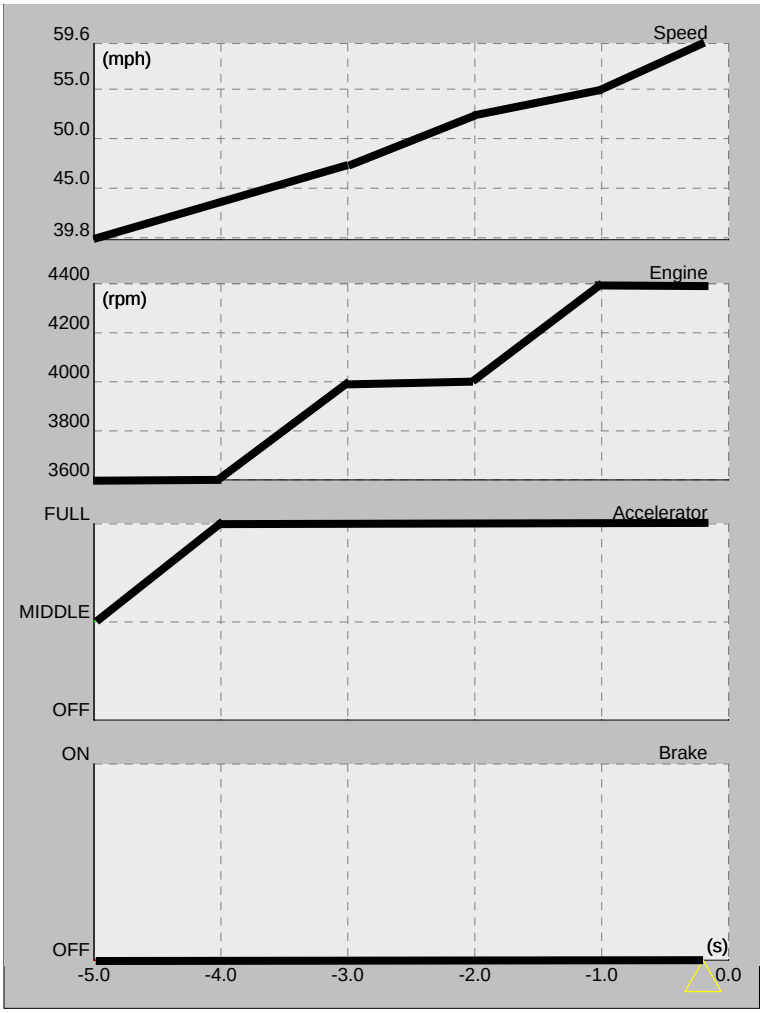
Graph Data

Latest/Frozen	BANK0
Freeze Signal	Freeze

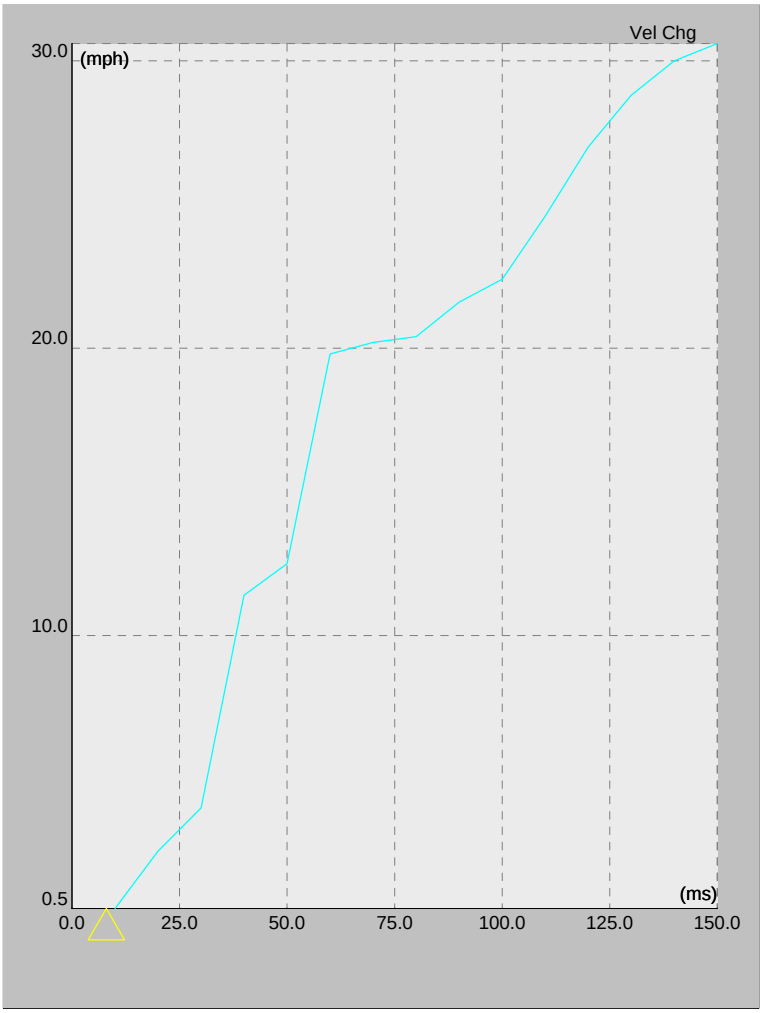
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	800 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	39.8	3600	MIDDLE	OFF	-0.2	59.6	4400	FULL	OFF
-4.0	43.5	3600	FULL	OFF					
-3.0	47.2	4000	FULL	OFF					
-2.0	52.2	4000	FULL	OFF					
-1.0	54.7	4400	FULL	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	19.8	110.0	24.6
20.0	2.5	70.0	20.2	120.0	27.0
30.0	4.0	80.0	20.4	130.0	28.8
40.0	11.4	90.0	21.6	140.0	30.0
50.0	12.5	100.0	22.4	150.0	30.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 27 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

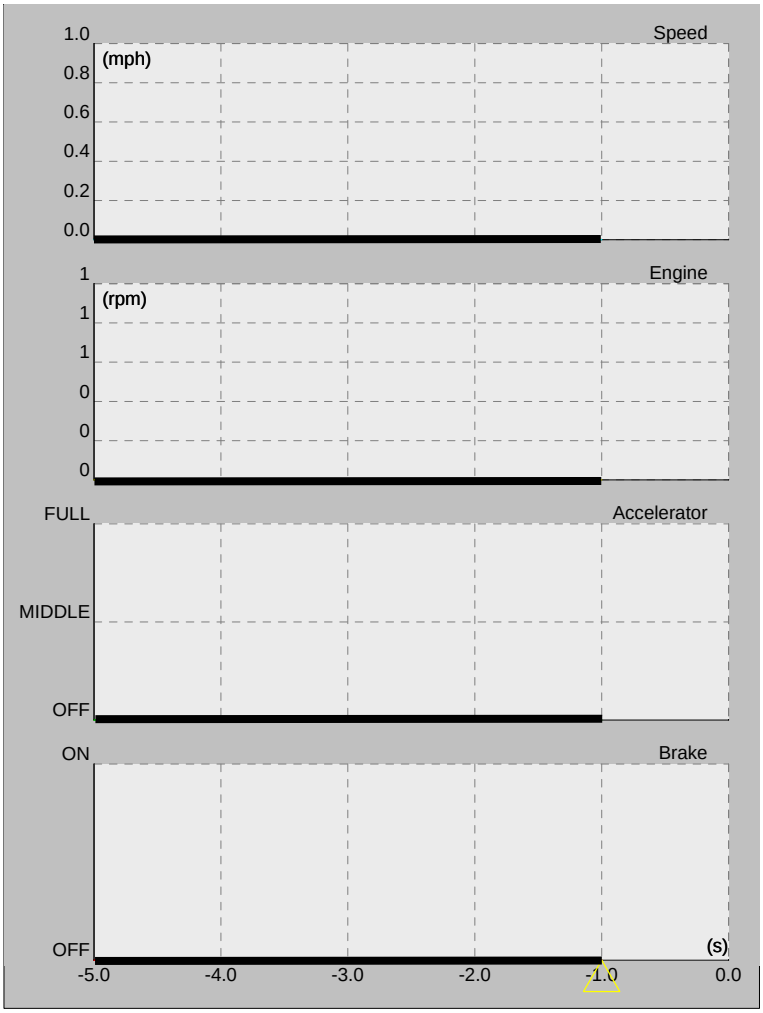
Graph Data

Next most recent	BANK1

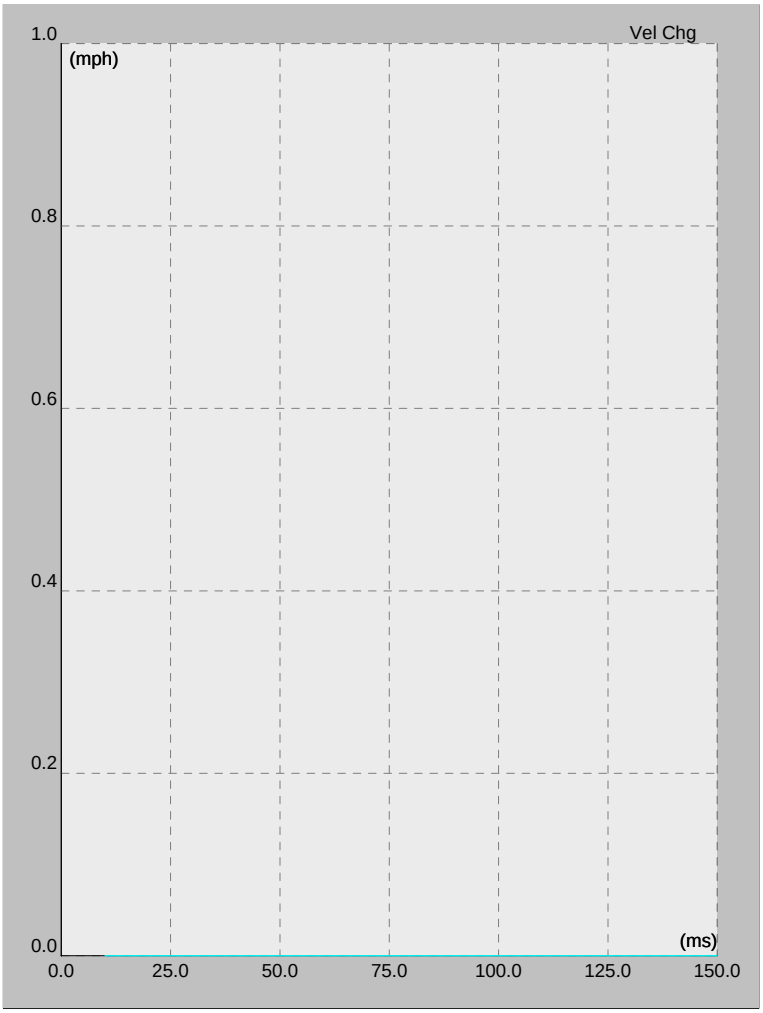
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 27 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

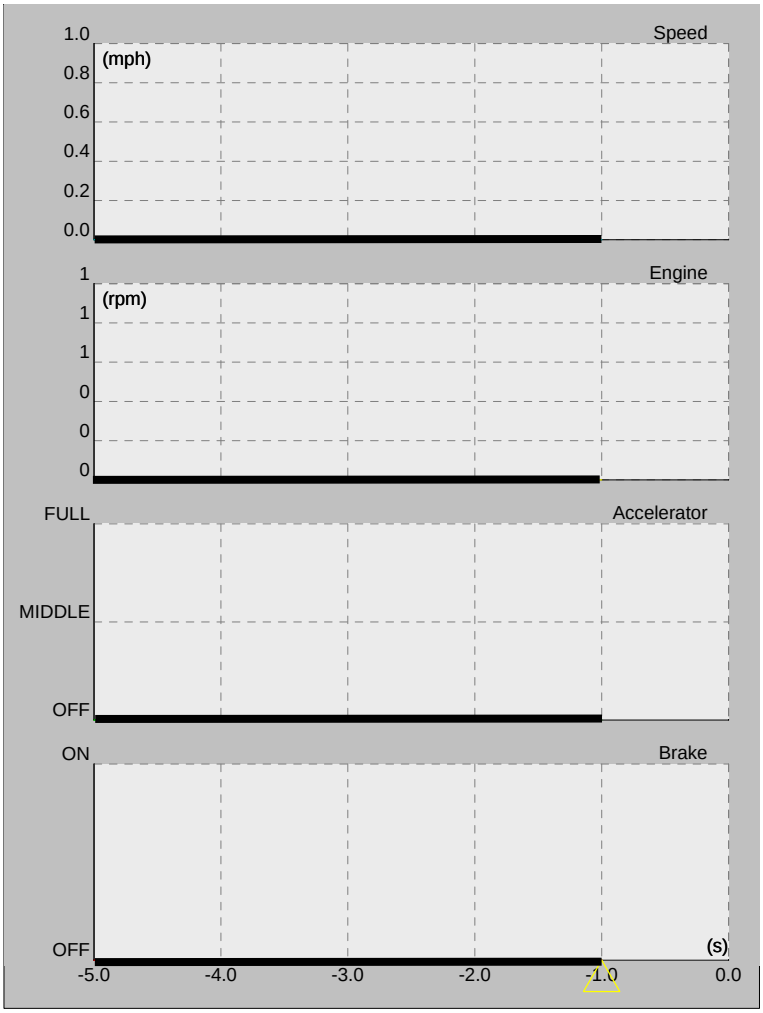
Graph Data

Past max. DeltaV	BANK2

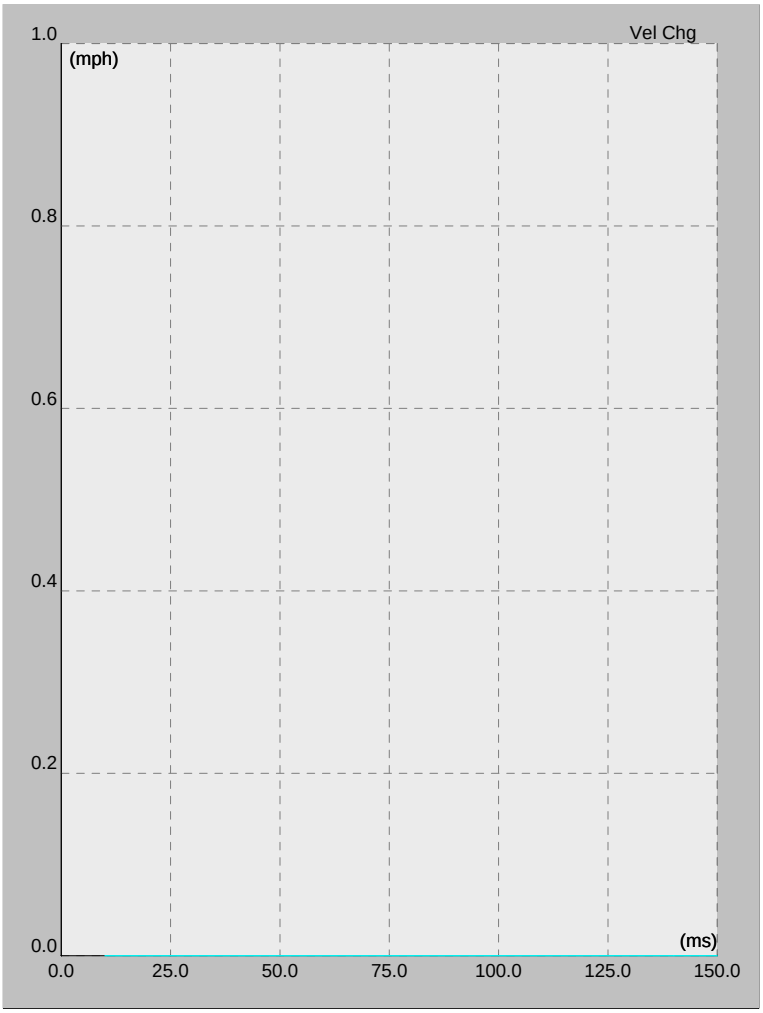
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

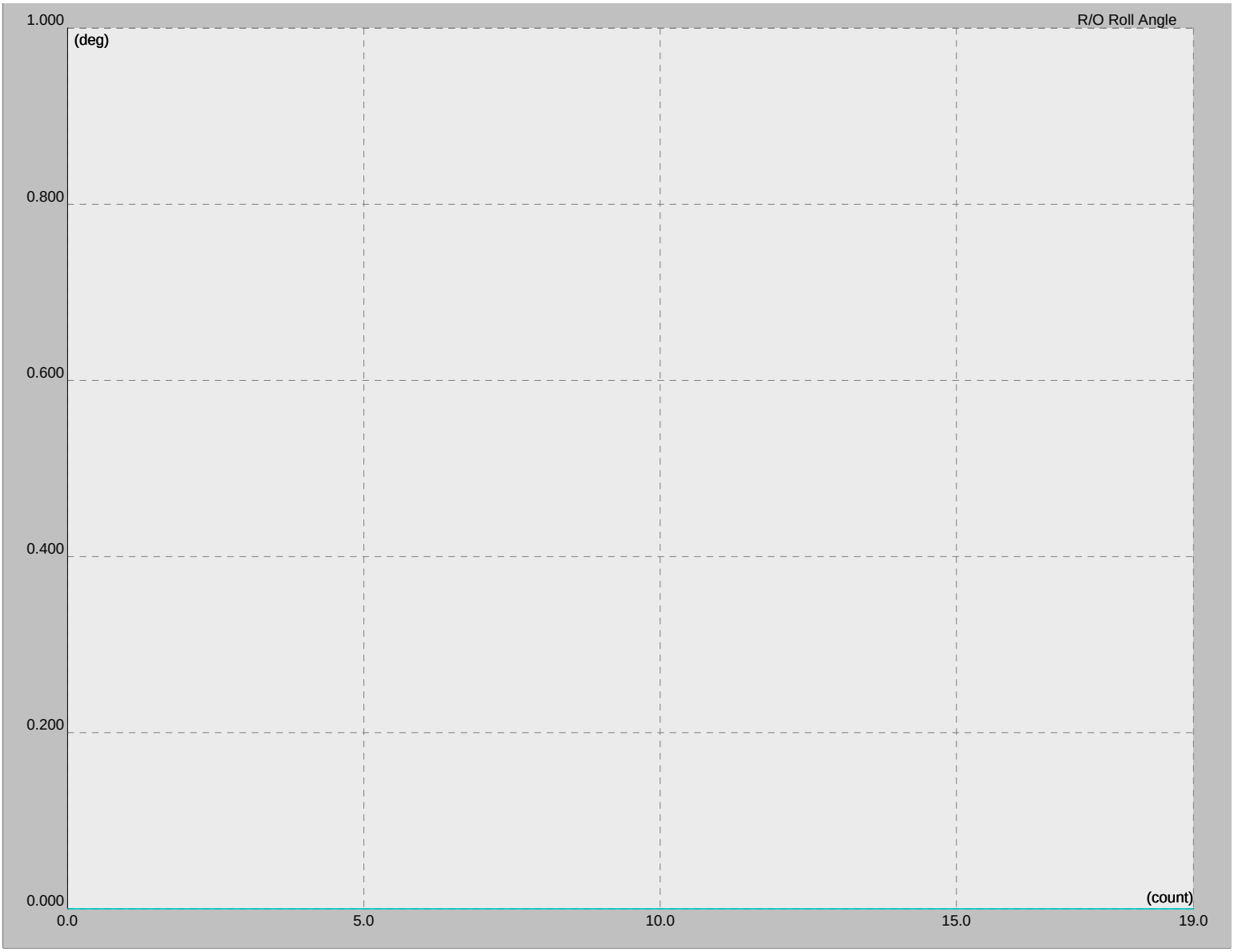
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 27 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Graph Data

Graph Name	R/O Roll Angle
Freeze Signal	Freeze



R/O Roll Angle GWave

count	R/O Roll Angle	count	R/O Roll Angle
0.0	0.0	17.0	0.0
1.0	0.0	18.0	0.0
2.0	0.0	19.0	0.0
3.0	0.0		
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		
15.0	0.0		
16.0	0.0		

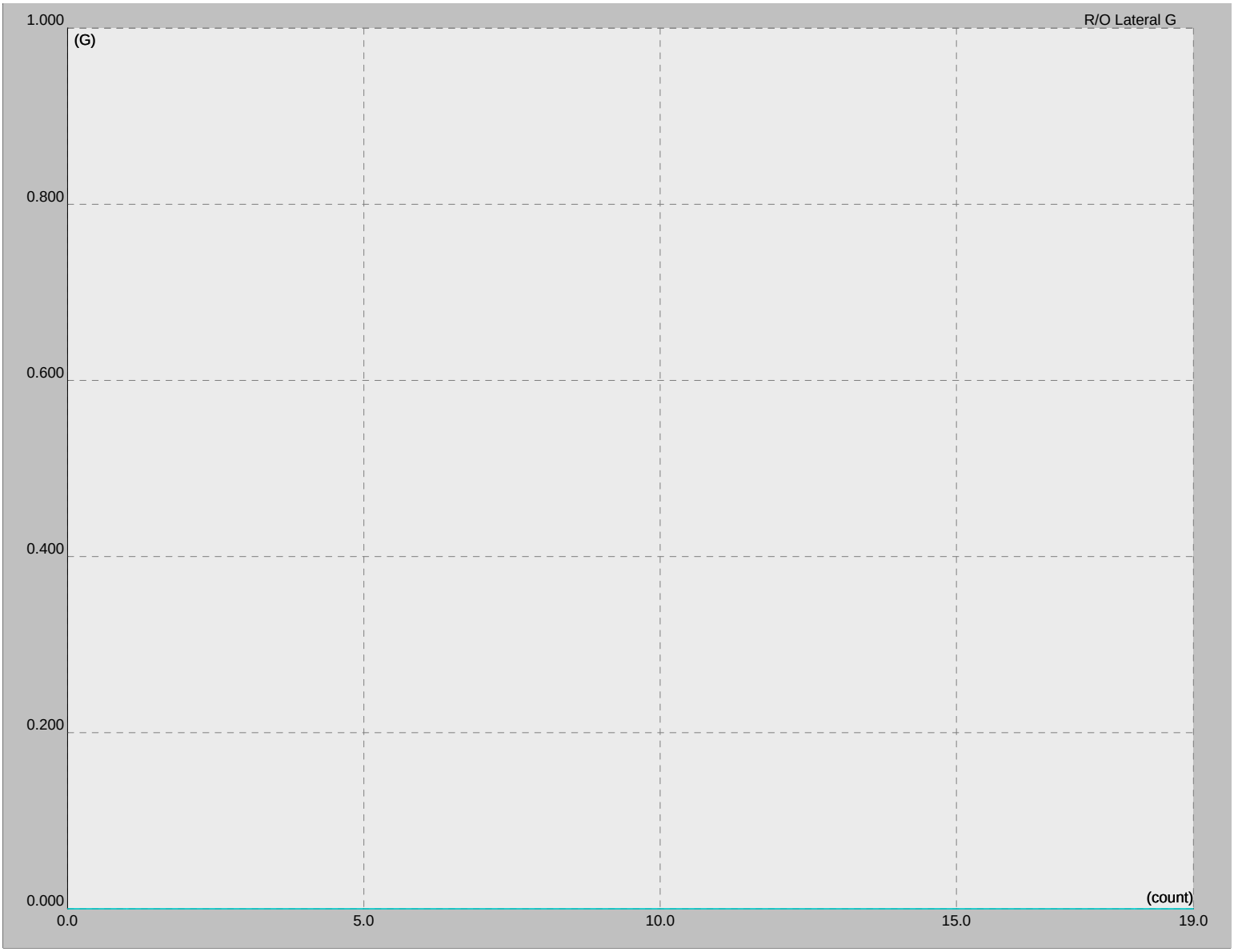
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 27 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Graph Data

Graph Name	R/O Lateral G
Freeze Signal	Freeze



R/O Lateral G GWave

count	R/O Lateral G	count	R/O Lateral G
0.0	0.0	17.0	0.0
1.0	0.0	18.0	0.0
2.0	0.0	19.0	0.0
3.0	0.0		
4.0	0.0		
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		
15.0	0.0		
16.0	0.0		

Case 28

Vehicle MY - Model: 2004 Sienna

Incident Location: Parking Lot

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Vehicle was entering parking spot; Struck a sign pole

Observation: EDR Pre-Crash Data Indicate: Late brake application (within 1 second of impact)
See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 28 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Willard
ACCIDENT DATE	[redacted] 2010
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5tdza22c74s [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-08060
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	0 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 28 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Willard
ACCIDENT DATE	[redacted] 2010
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5tdza22c74s[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

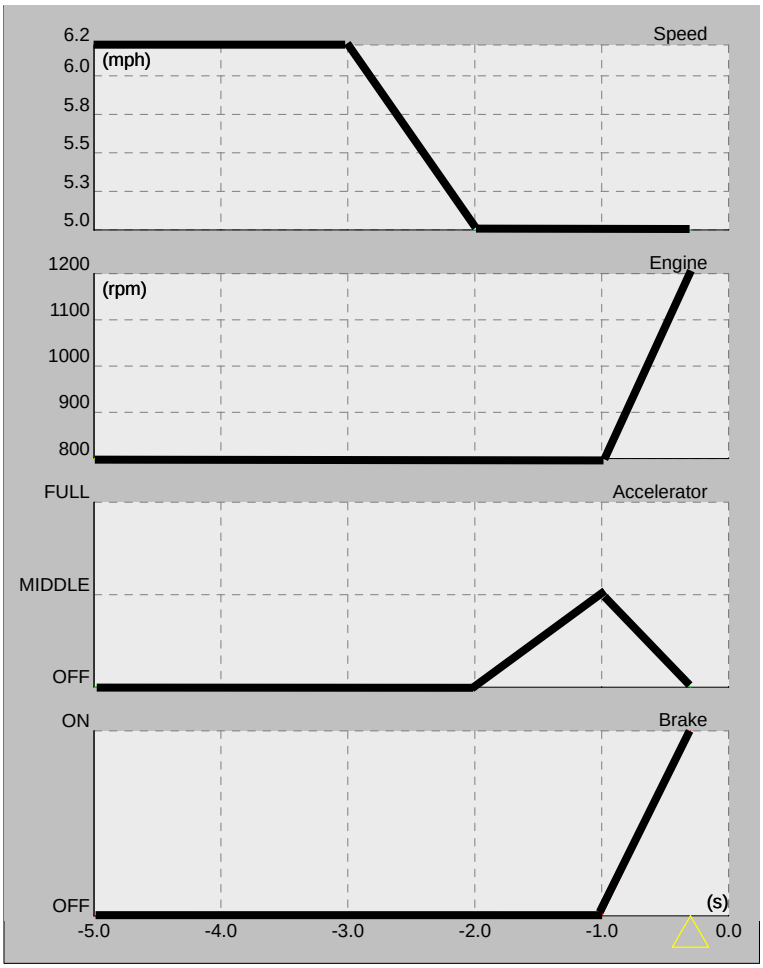
Graph Data

Latest/Frozen	BANK1

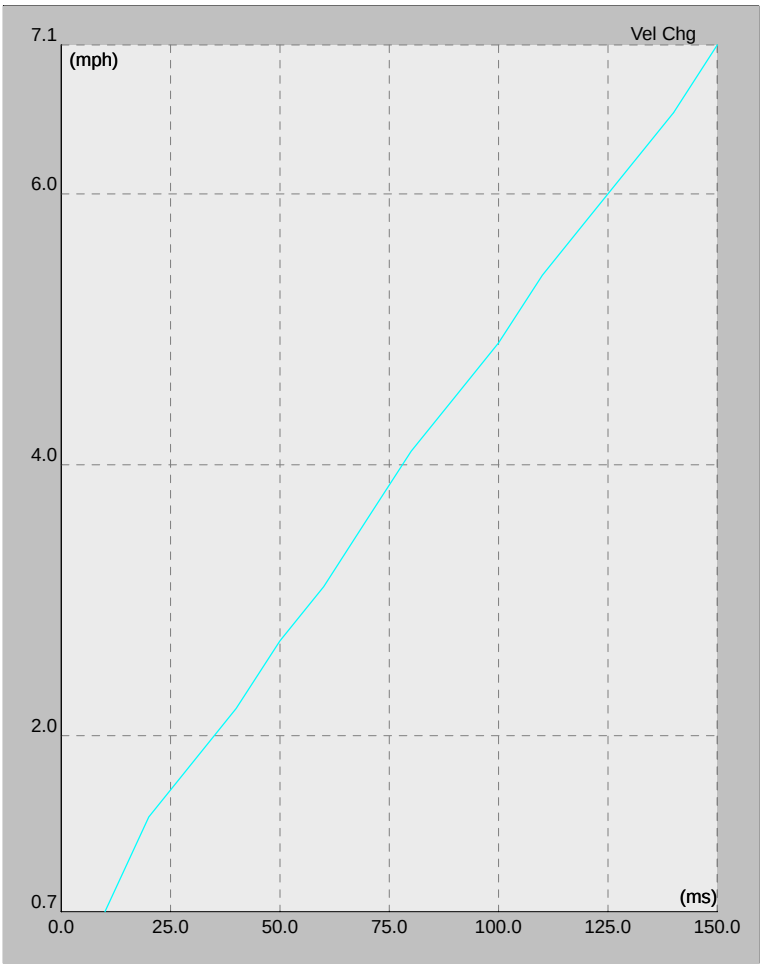
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	700 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	2 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	6.2	800	OFF	OFF	-0.3	5.0	1200	OFF	ON
-4.0	6.2	800	OFF	OFF					
-3.0	6.2	800	OFF	OFF					
-2.0	5.0	800	OFF	OFF					
-1.0	5.0	800	MIDDLE	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.7	60.0	3.1	110.0	5.4
20.0	1.4	70.0	3.6	120.0	5.8
30.0	1.8	80.0	4.1	130.0	6.2
40.0	2.2	90.0	4.5	140.0	6.6
50.0	2.7	100.0	4.9	150.0	7.1

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 28 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Willard
ACCIDENT DATE	[redacted] 2010
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5tdza22c74s1[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

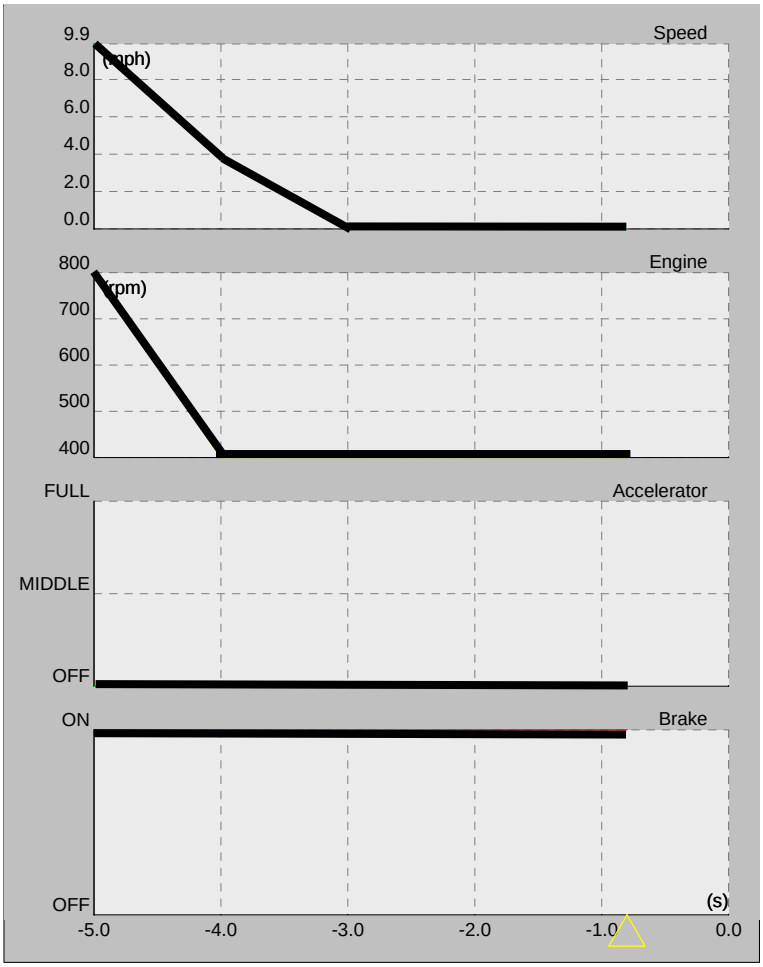
Graph Data

Next most recent	BANK0

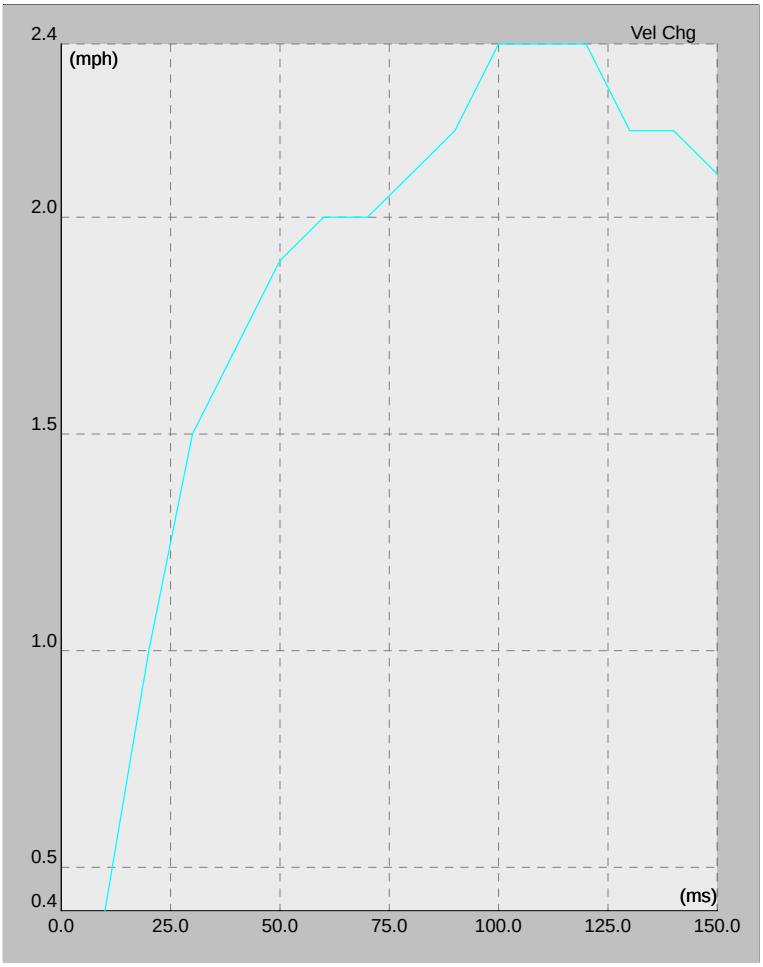
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	200 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	9.9	800	OFF	ON	-0.8	0.0	400	OFF	ON
-4.0	3.7	400	OFF	ON					
-3.0	0.0	400	OFF	ON					
-2.0	0.0	400	OFF	ON					
-1.0	0.0	400	OFF	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	2.0	110.0	2.4
20.0	1.0	70.0	2.0	120.0	2.4
30.0	1.5	80.0	2.1	130.0	2.2
40.0	1.7	90.0	2.2	140.0	2.2
50.0	1.9	100.0	2.4	150.0	2.1

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 28 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Willard
ACCIDENT DATE	[redacted] 2010
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5tdza22c74s1[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

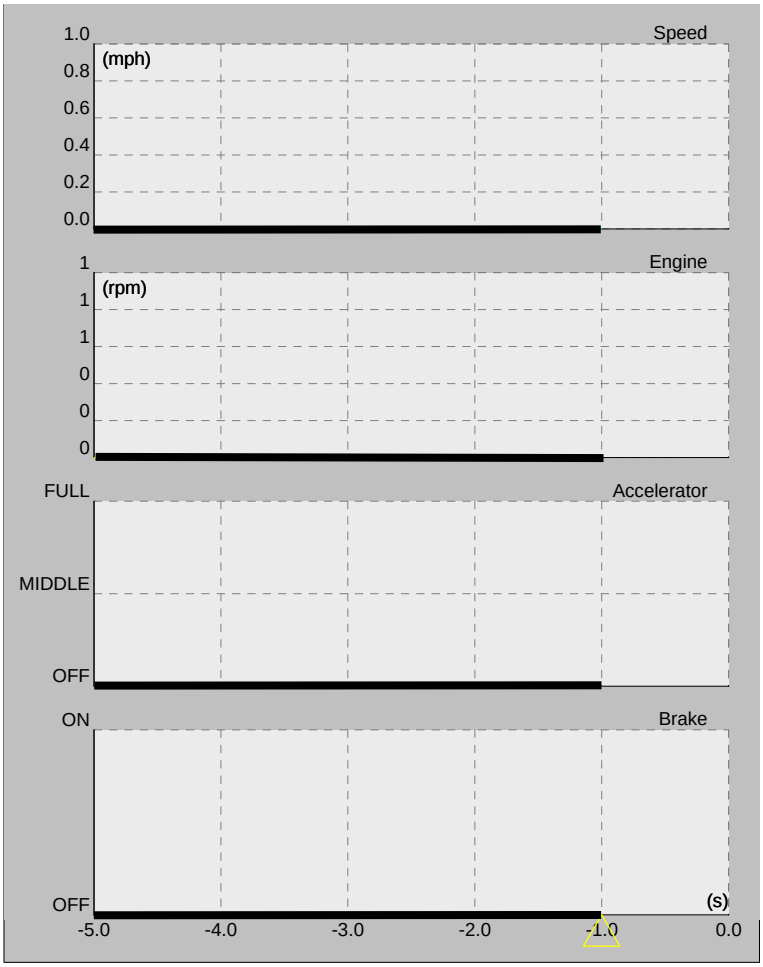
Graph Data

Past max. DeltaV	BANK2

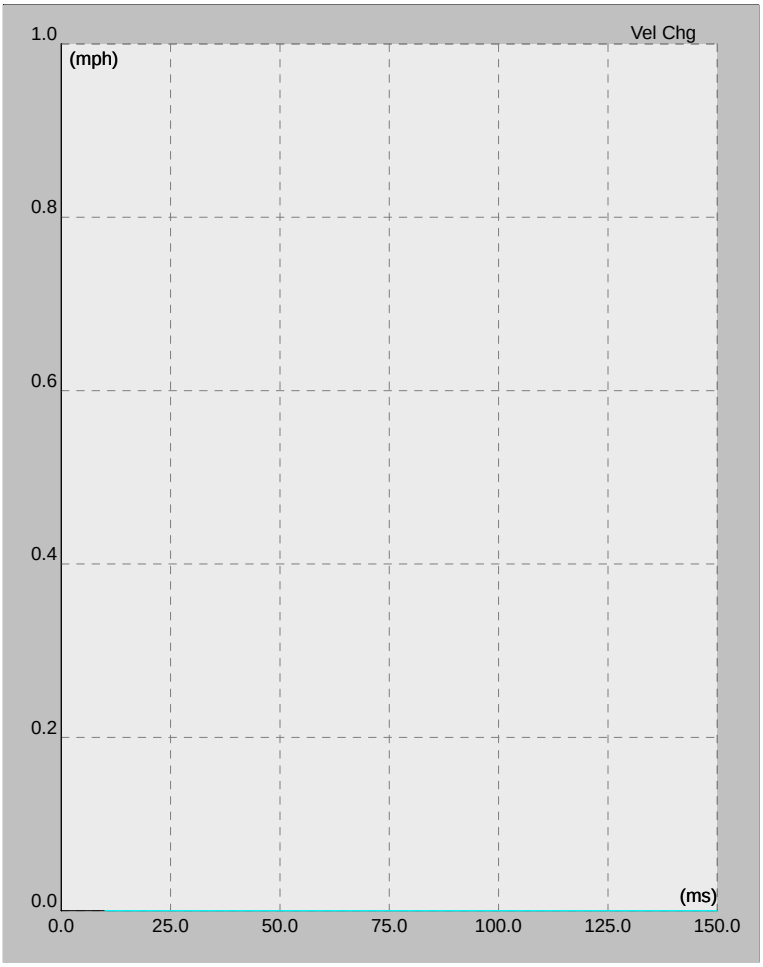
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

Case 29

Vehicle MY - Model: 2009 Camry

Incident Location: Parking Space

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Vehicle was pulling into a parking space; Traversed lawn, struck building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 29 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

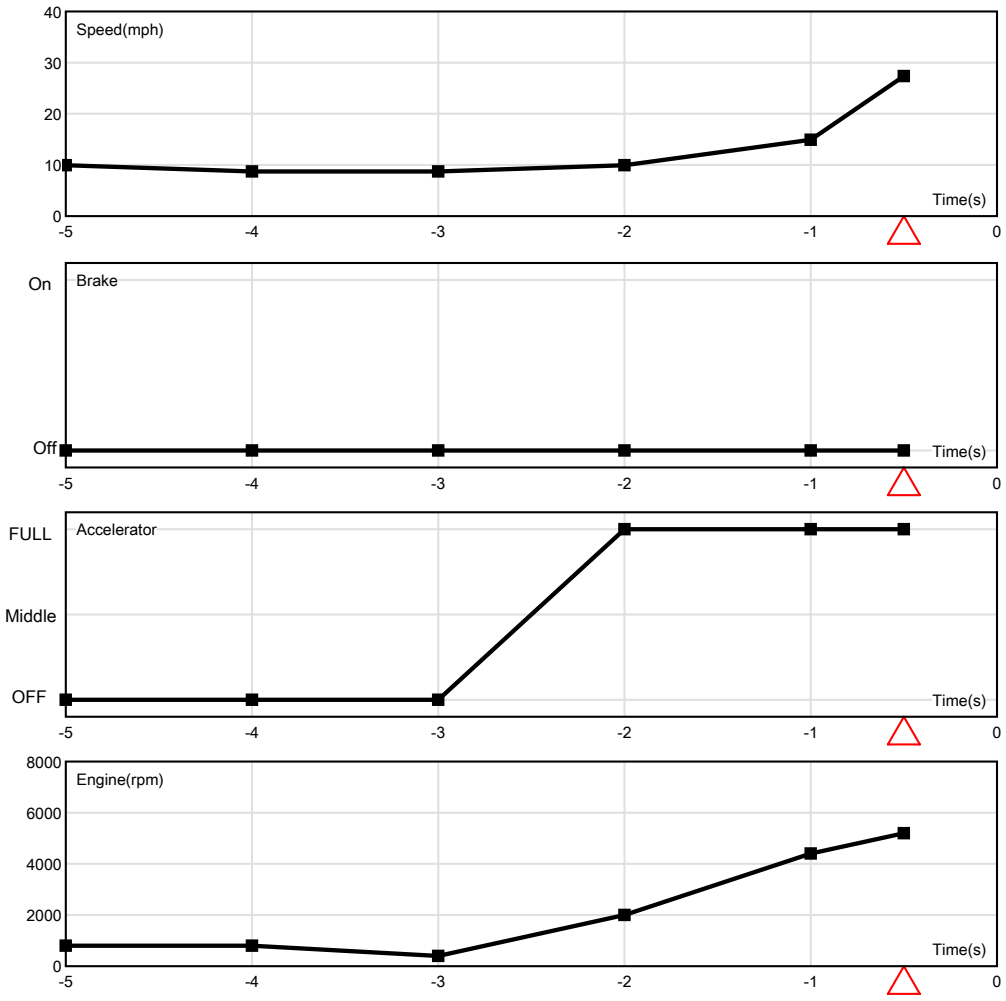
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	
	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0
	0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: NoLevel
Seat Position	: RM
Shift Position	: Other
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	9.9	8.7	8.7	9.9	14.9	27.3(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	FULL	FULL	FULL
Engine	:	800	800	400	2000	4400	5200(rpm)

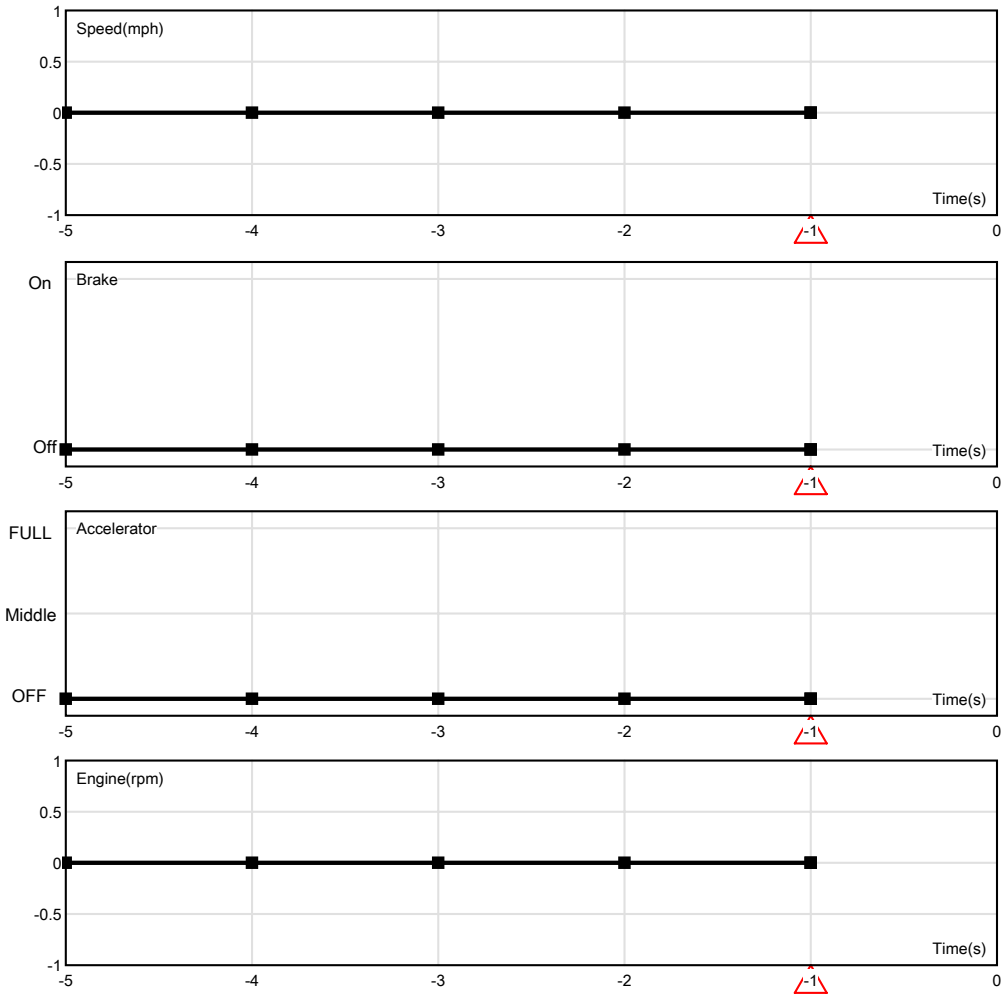
Time from Last PreCrash Data : 500(ms)

Case 29 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Diag

Diag Code	: 0 0 0 0 0 0
	0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: NoLevel
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting

PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 29 Complete EDR Image

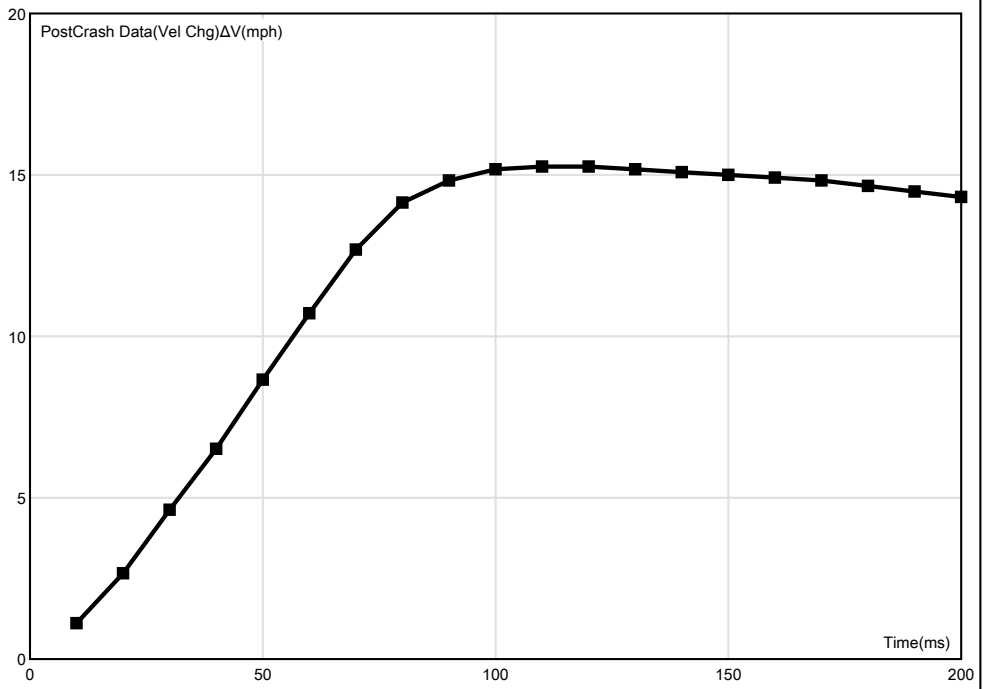
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 14.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.1
20	2.7
30	4.6
40	6.5
50	8.7
60	10.7
70	12.7
80	14.1
90	14.8
100	15.2
110	15.3
120	15.3
130	15.2
140	15.1
150	15.0
160	14.9
170	14.8
180	14.7
190	14.5
200	14.3

Case 29 Complete EDR Image

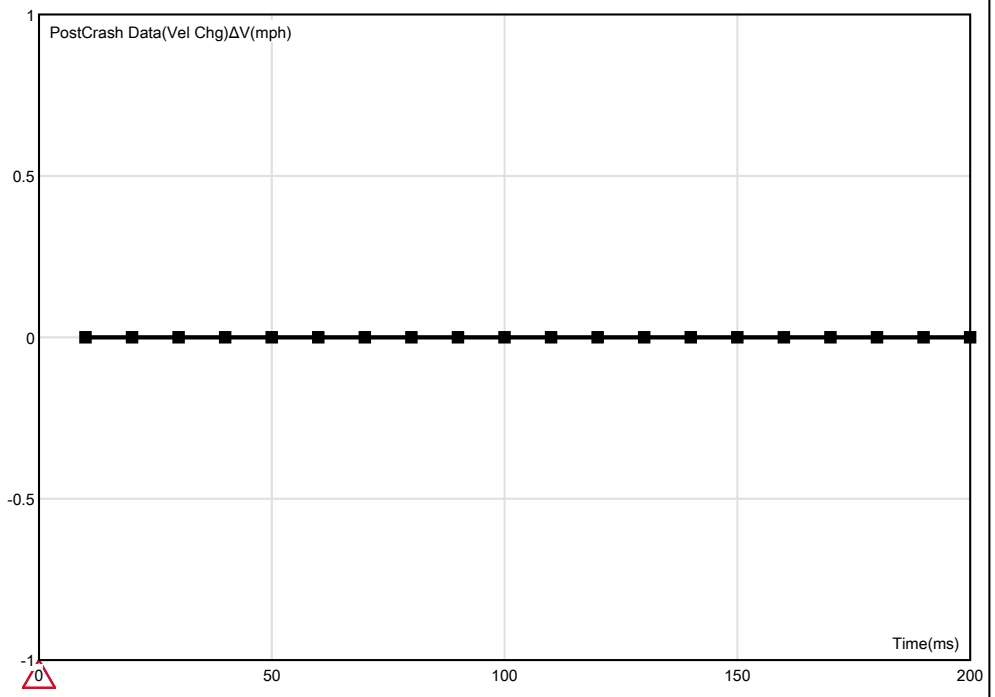
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

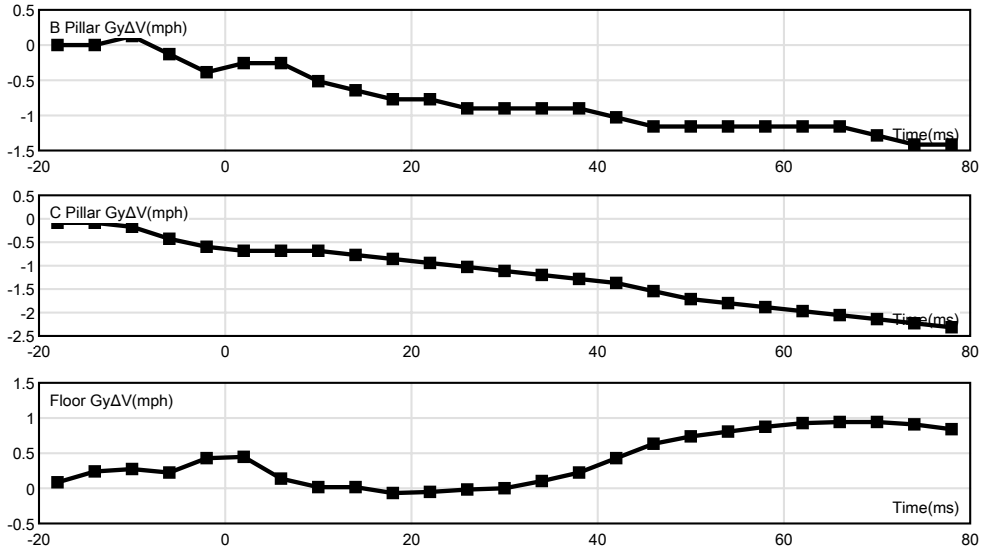
Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 29 Complete EDR Image

Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 38(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

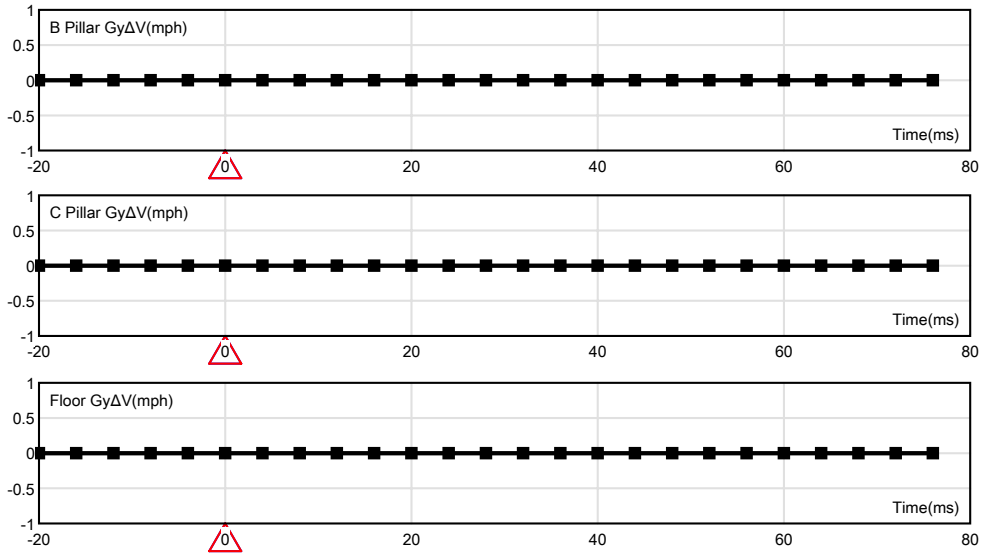
Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	0.0	-0.1	0.1
-14	0.0	-0.1	0.2
-10	0.1	-0.2	0.3
-6	-0.1	-0.4	0.2
-2	-0.4	-0.6	0.4
2	-0.3	-0.7	0.4
6	-0.3	-0.7	0.1
10	-0.5	-0.7	0.0
14	-0.6	-0.8	0.0
18	-0.8	-0.9	-0.1
22	-0.8	-0.9	-0.1
26	-0.9	-1.0	-0.0
30	-0.9	-1.1	0.0
34	-0.9	-1.2	0.1
38	-0.9	-1.3	0.2
42	-1.0	-1.4	0.4
46	-1.2	-1.5	0.6
50	-1.2	-1.7	0.7
54	-1.2	-1.8	0.8
58	-1.2	-1.9	0.9
62	-1.2	-2.0	0.9
66	-1.2	-2.1	0.9
70	-1.3	-2.1	0.9
74	-1.4	-2.2	0.9
78	-1.4	-2.3	0.8

Case 29 Complete EDR Image

Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 29 Complete EDR Image

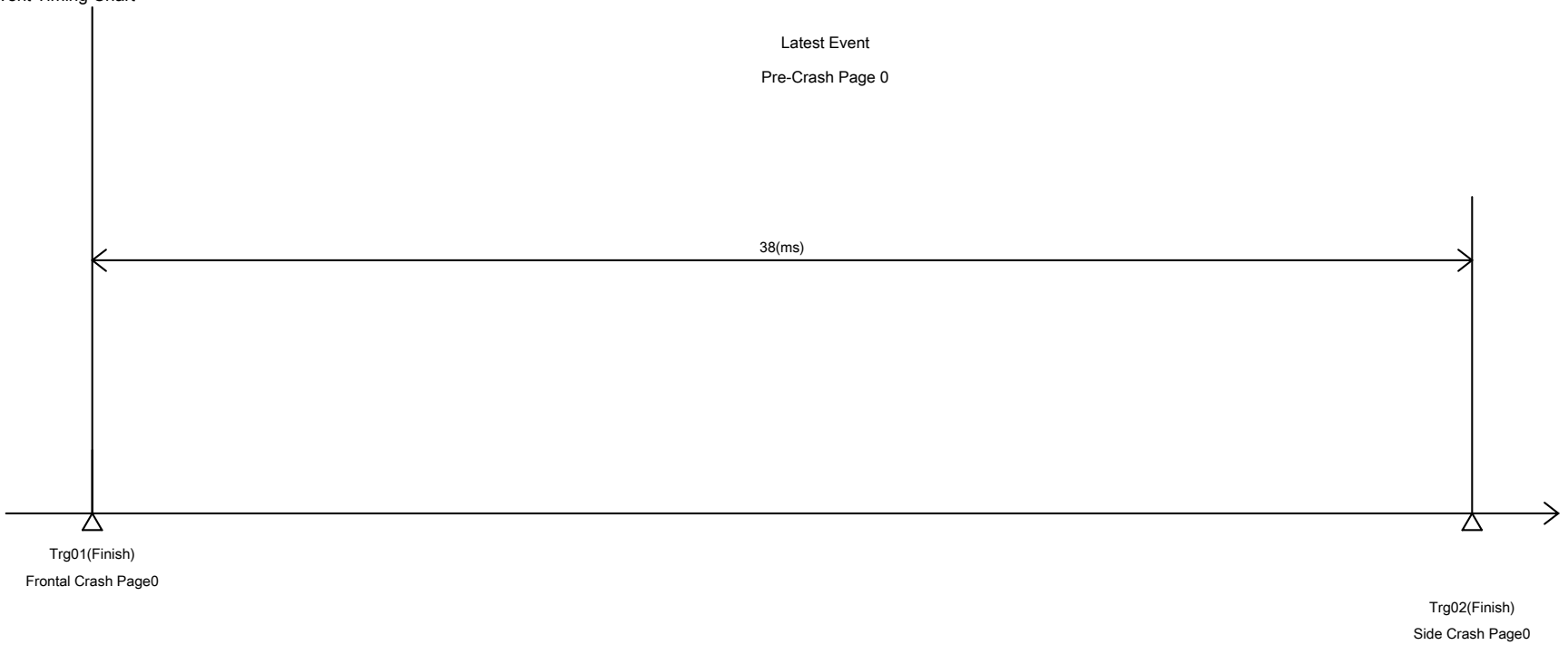
Entire Event Graph

Entire Event Table

FinishWritingMode WritingMode ErrorMode

Event	PreCrashPage	Trigger	CrashPage & Deployment	Time	PreviousEvent	TimingChart
Latest Event	Page0	Trg01(Finish)	Frontal Crash Page0	0(ms)	No Event	OnChart
		Trg02(Finish)	Side Crash Page0	38(ms)	Frontal Crash	OnChart

Entire Event Timing Chart



Case 30

Vehicle MY - Model: 2007 Camry

Incident Location: Roadway / Intersection

Inspection Prompted by: Complainant stated: Was driving 25 mph and then depressed the brake to stop at a red light. Instead of the vehicle braking it accelerated. The vehicle revved up going as fast as 60 mph

Incident Synopsis: Decelerating for traffic ahead; Rear impact of other vehicles stopped in roadway

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 30 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

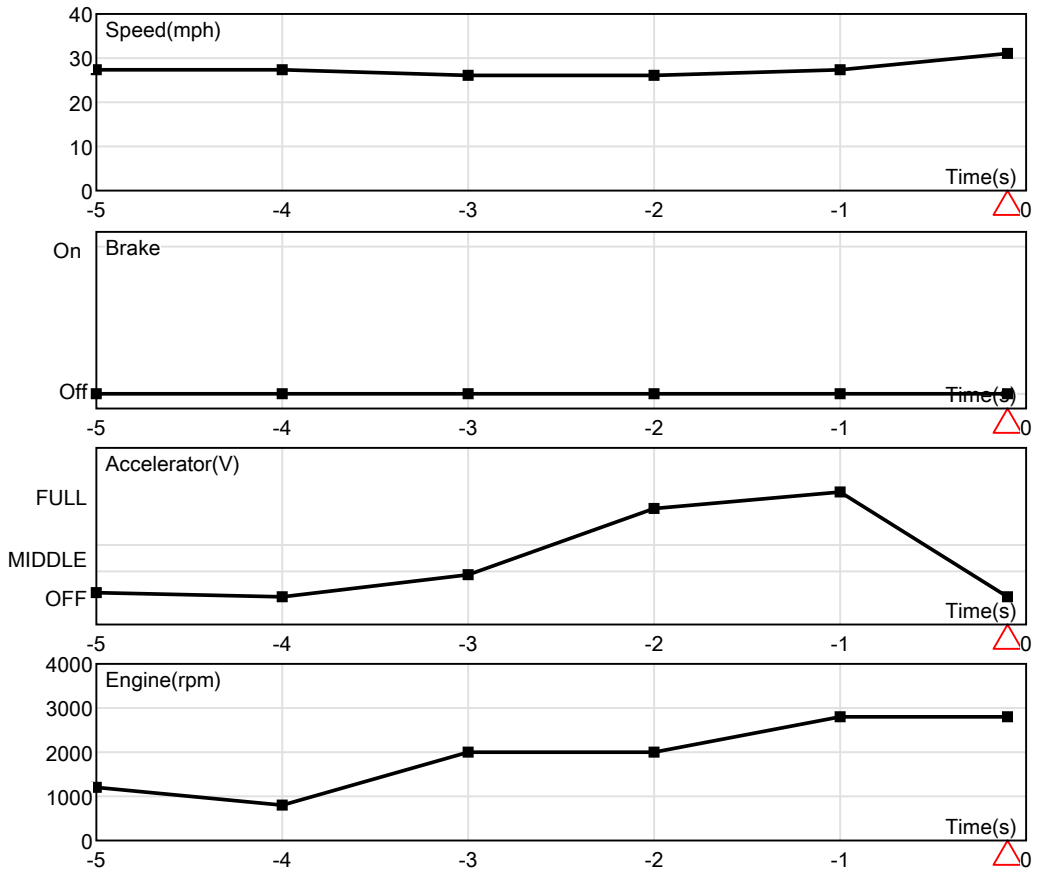
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	27.3	27.3	26.1	26.1	27.3	31.1(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.90	0.78	1.41	3.28	3.75	0.78(V)
		OFF	OFF	OFF	FULL	FULL	OFF
Engine	:	1200	800	2000	2000	2800	2800(rpm)

Time from Last PreCrash Data : 900(ms)

Case 30 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

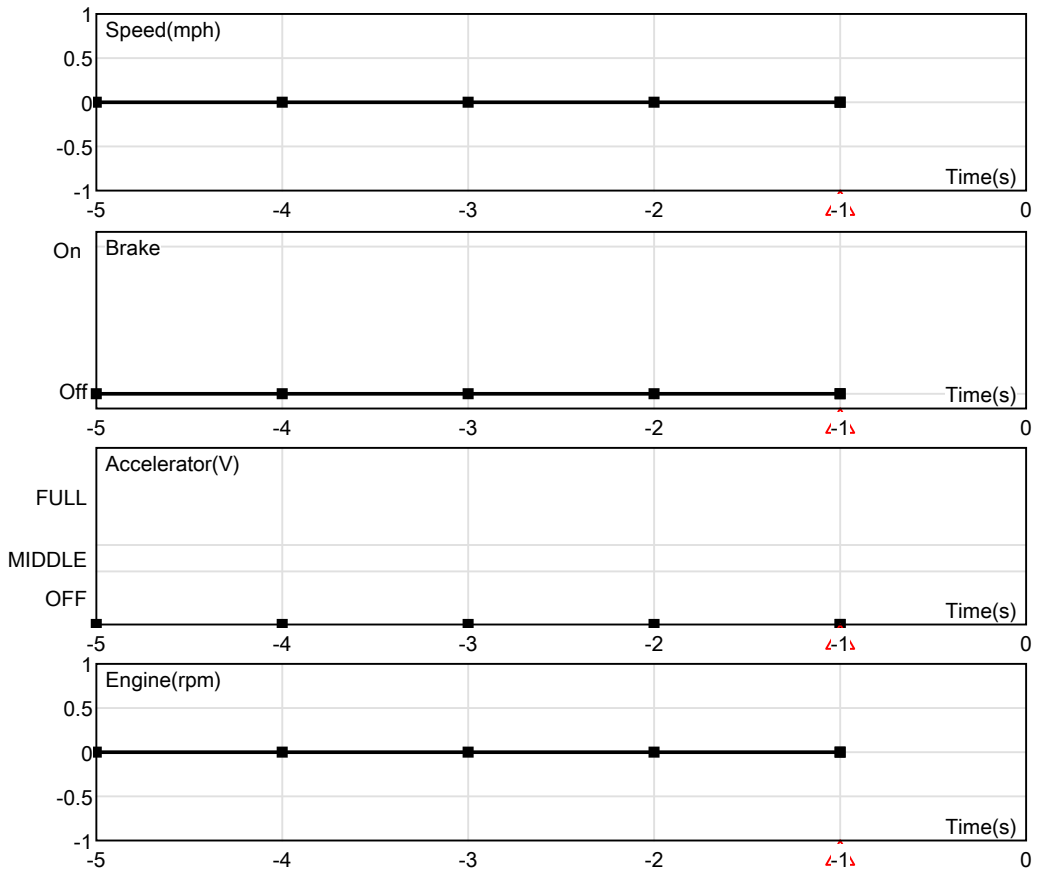
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 30 Complete EDR Image

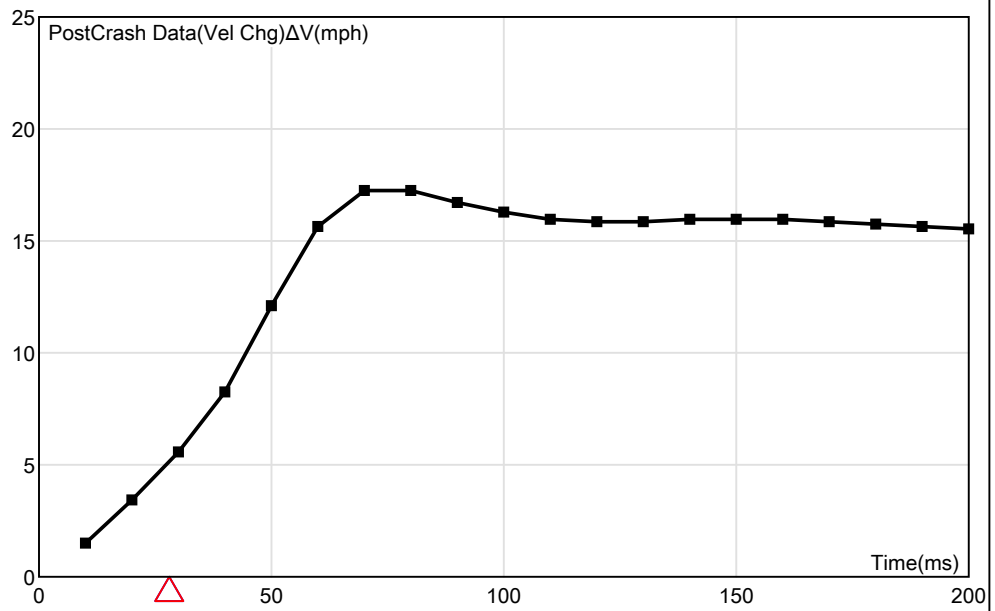
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 13.5(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 28(ms)
Pretensioner Deployment Time	: 28(ms)
Deployment Stage Driver	: Low
Deployment Stage Passenger	: ExLow
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.5
20	3.4
30	5.6
40	8.2
50	12.1
60	15.6
70	17.2
80	17.2
90	16.7
100	16.3
110	16.0
120	15.9
130	15.9
140	16.0
150	16.0
160	16.0
170	15.9
180	15.7
190	15.6
200	15.5

Case 30 Complete EDR Image

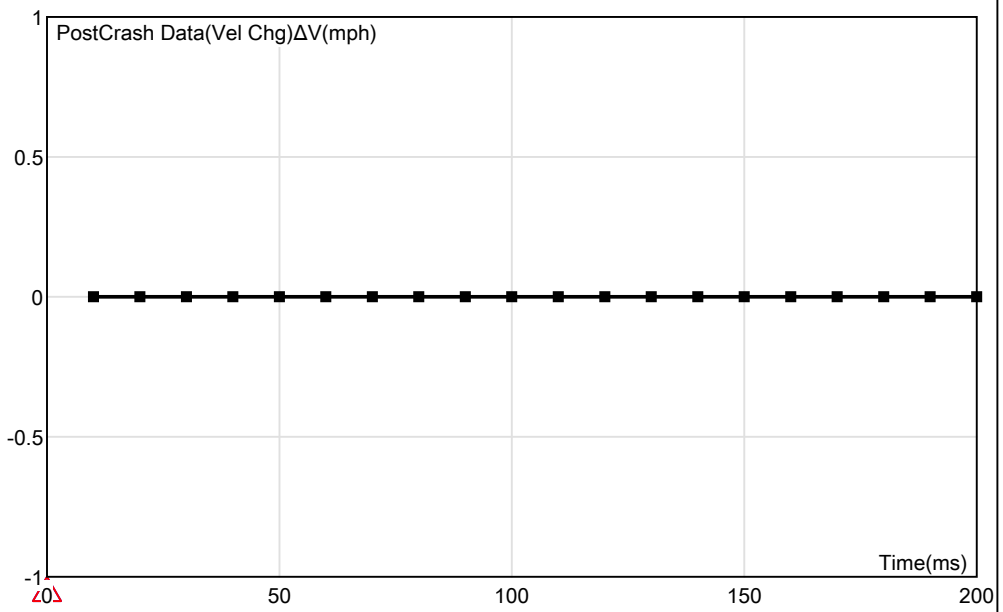
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 30 Complete EDR Image

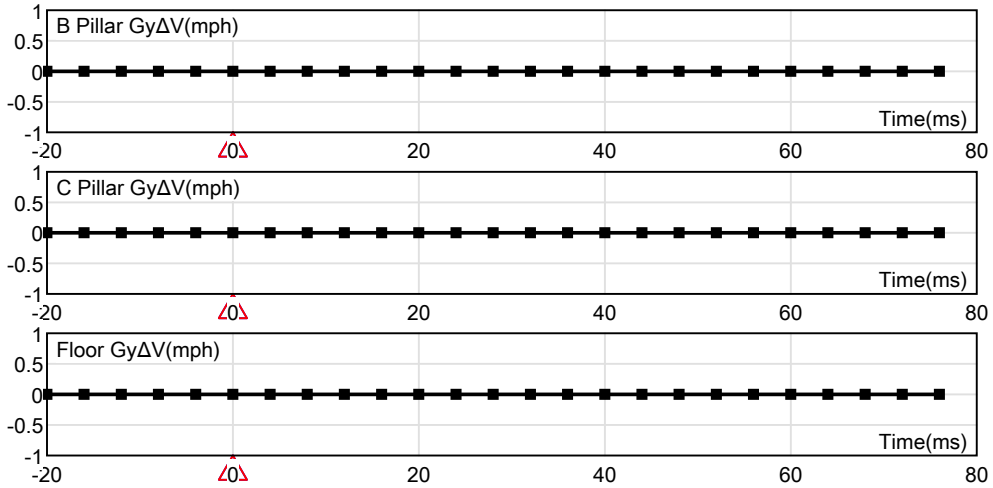
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 30 Complete EDR Image

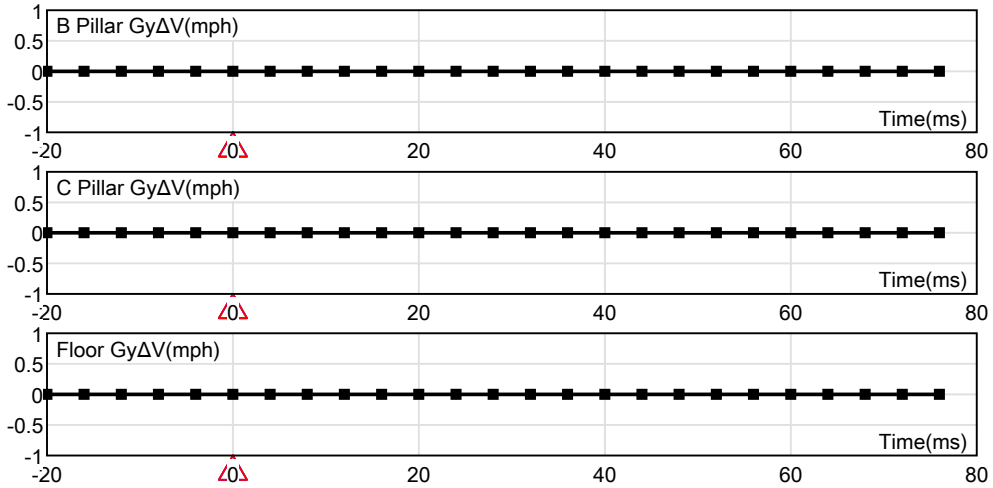
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 31

Vehicle MY - Model: 2009 RX350

Incident Location: Parking Space

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: On-street parallel parking; Struck pedestrians and building

Observation: EDR Pre-Crash Data Indicate: 2 sec of rising engine rpm but no vehicle movement followed by 0.3g acceleration backwards; accelerator shows Low / Off except transition to Full at -2 sec; no brake application indicated

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 31 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-0E021
R/O Deployment Time	0.0 ms
R/O RA MAX Value within 2sec. from trigger	0.0
R/O CSA-Manual Cut OFF(N/A)	(N/A)
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	0 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 31 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

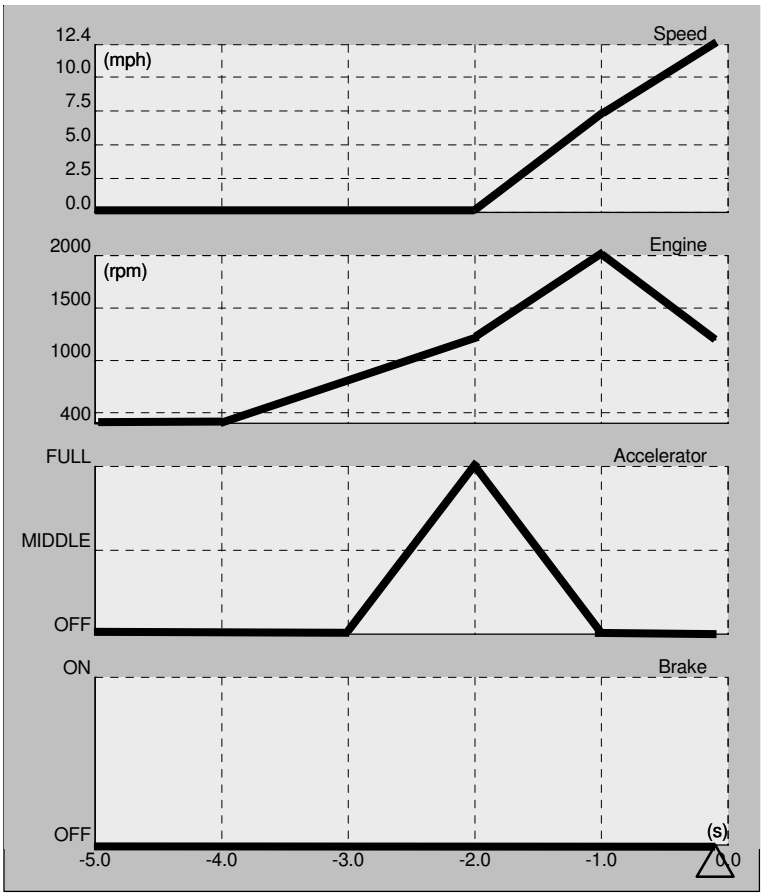
Graph Data

Latest/Frozen	BANK0

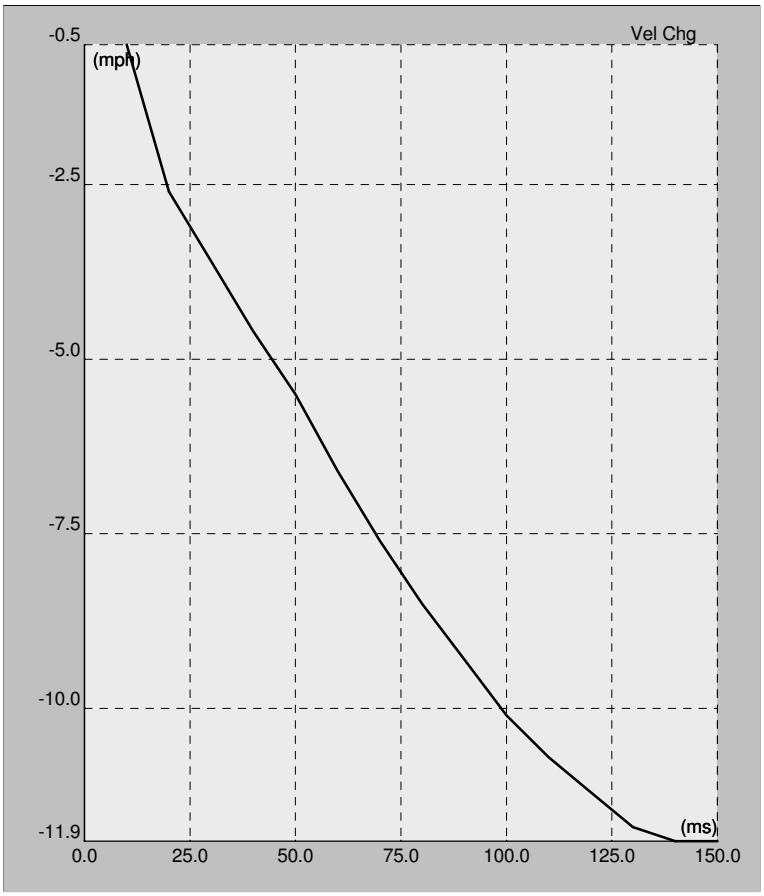
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	900 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	R
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	0.0	400	OFF	OFF
-4.0	0.0	400	OFF	OFF
-3.0	0.0	800	OFF	OFF
-2.0	0.0	1200	FULL	OFF
-1.0	7.5	2000	OFF	OFF
-0.1	12.4	1200	OFF	OFF

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.5	70.0	-7.6	130.0	-11.7
20.0	-2.6	80.0	-8.5	140.0	-11.9
30.0	-3.6	90.0	-9.3	150.0	-11.9
40.0	-4.6	100.0	-10.1		
50.0	-5.5	110.0	-10.7		
60.0	-6.6	120.0	-11.2		

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 31 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

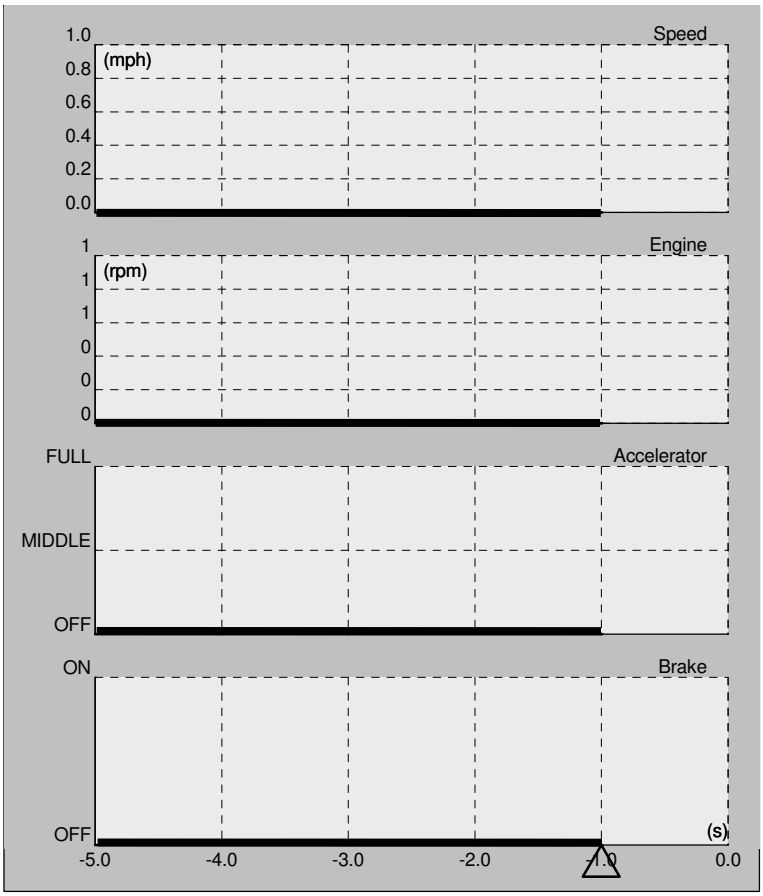
Graph Data

Next most recent	BANK1

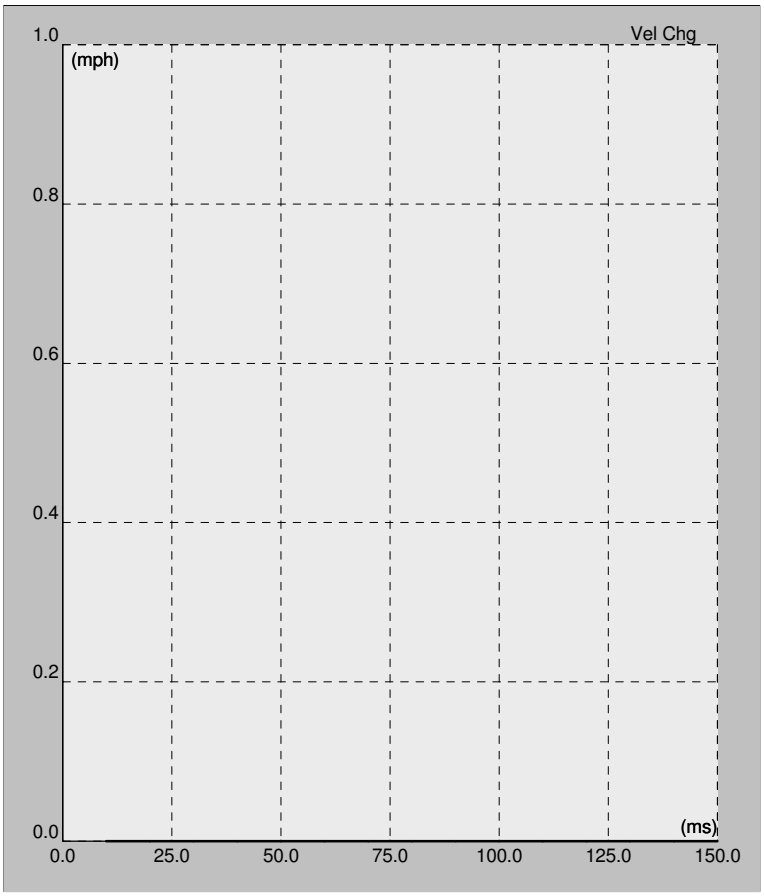
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF
-3.0	0.0	0	OFF	OFF
-2.0	0.0	0	OFF	OFF
-1.0	0.0	0	OFF	OFF
-1.0	0.0	0	OFF	OFF

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	70.0	0.0	130.0	0.0
20.0	0.0	80.0	0.0	140.0	0.0
30.0	0.0	90.0	0.0	150.0	0.0
40.0	0.0	100.0	0.0		
50.0	0.0	110.0	0.0		
60.0	0.0	120.0	0.0		

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 31 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

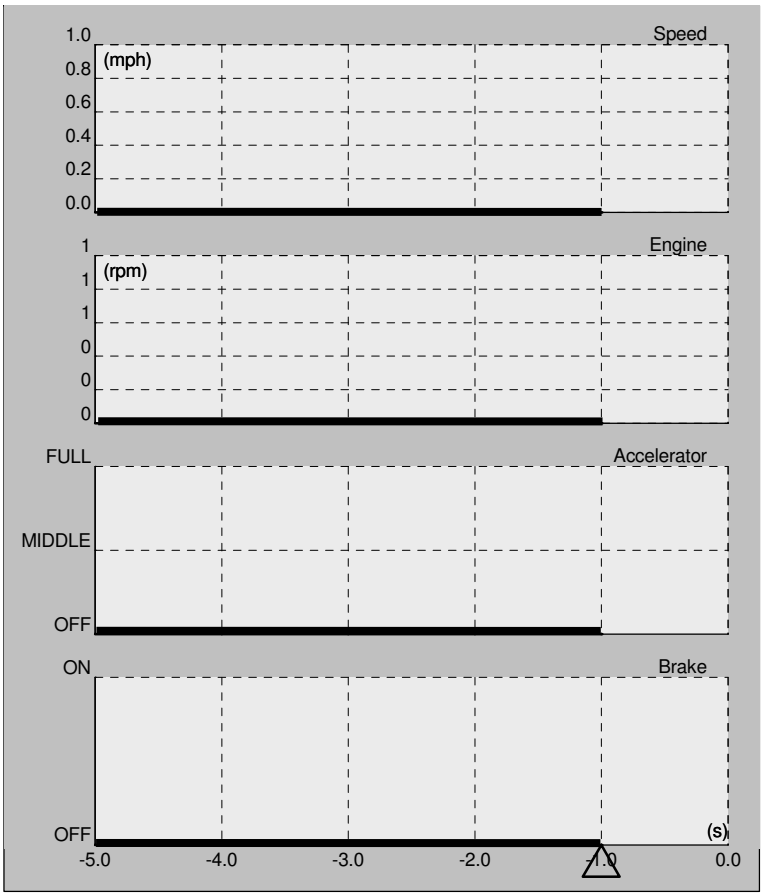
Graph Data

Past max. DeltaV	BANK2

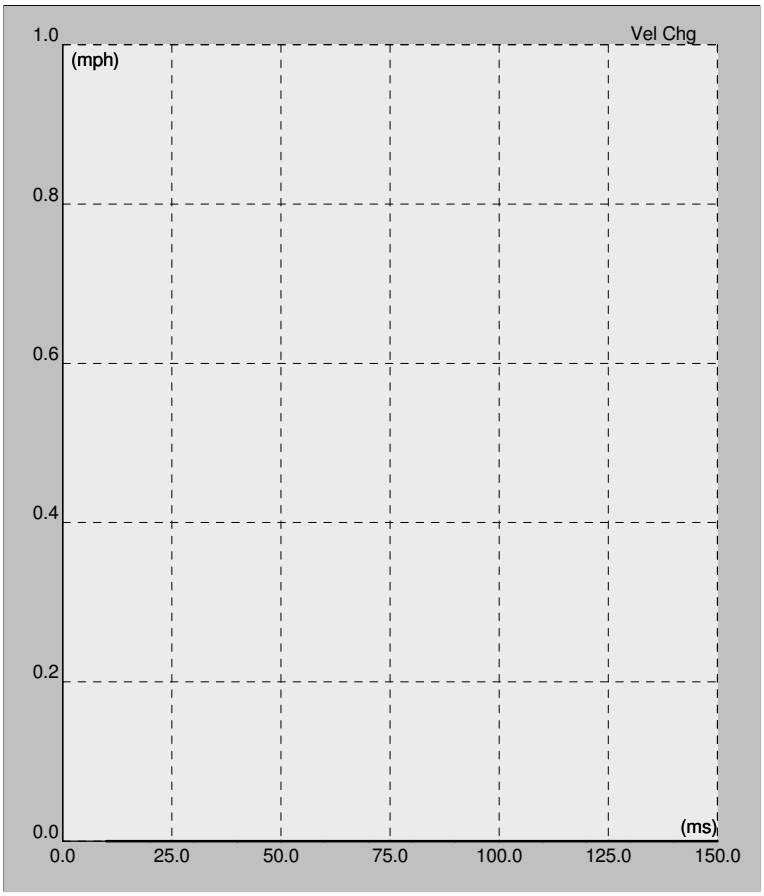
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF
-3.0	0.0	0	OFF	OFF
-2.0	0.0	0	OFF	OFF
-1.0	0.0	0	OFF	OFF
-1.0	0.0	0	OFF	OFF

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	70.0	0.0	130.0	0.0
20.0	0.0	80.0	0.0	140.0	0.0
30.0	0.0	90.0	0.0	150.0	0.0
40.0	0.0	100.0	0.0		
50.0	0.0	110.0	0.0		
60.0	0.0	120.0	0.0		

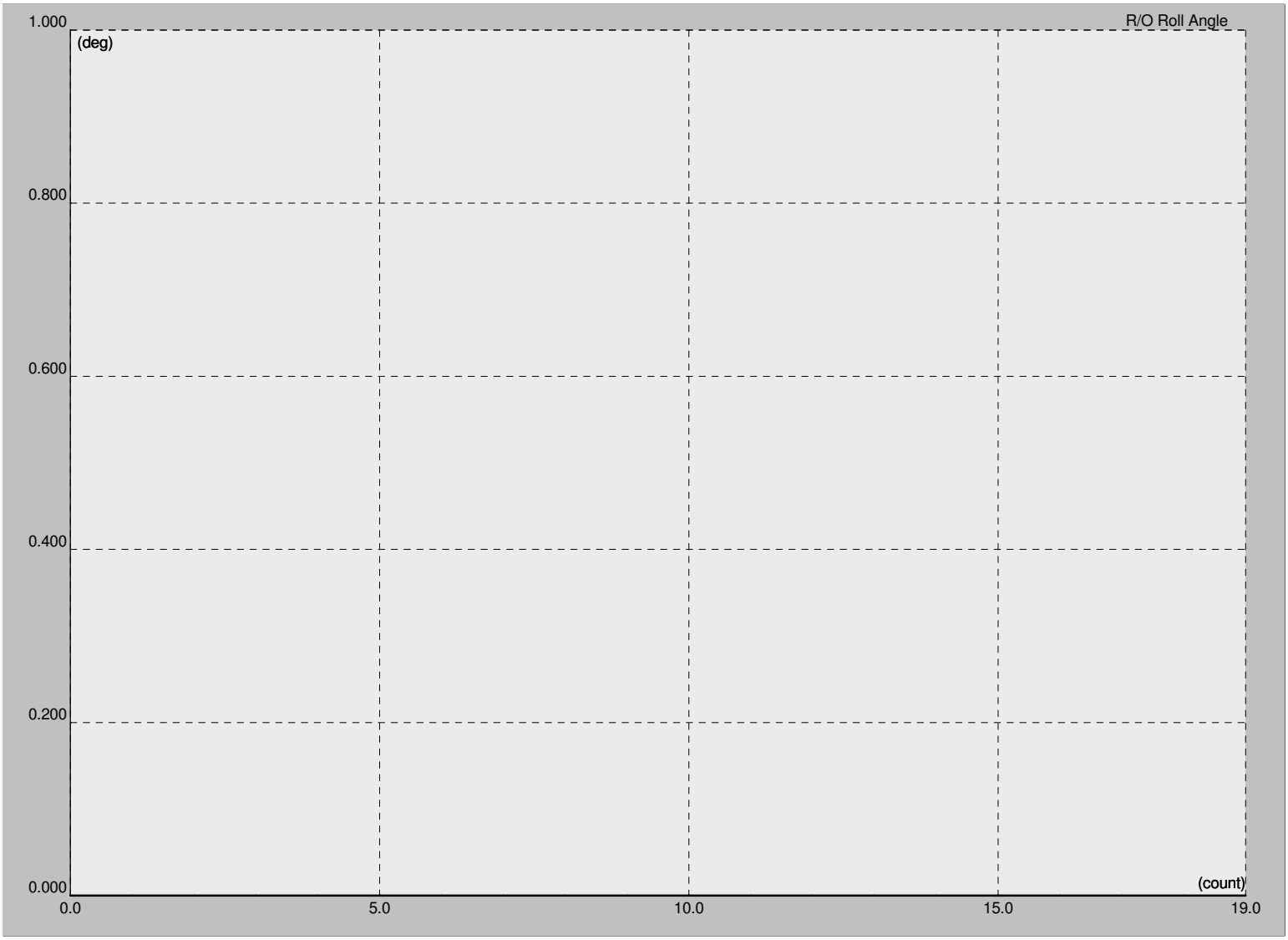
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 31 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	R/O Roll Angle



R/O Roll Angle GWave

count	R/O Roll Angle	count	R/O Roll Angle
0.0	0.0	15.0	0.0
1.0	0.0	16.0	0.0
2.0	0.0	17.0	0.0
3.0	0.0	18.0	0.0
4.0	0.0	19.0	0.0
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		

PROTOTYPE READOUT TOOL REPORT

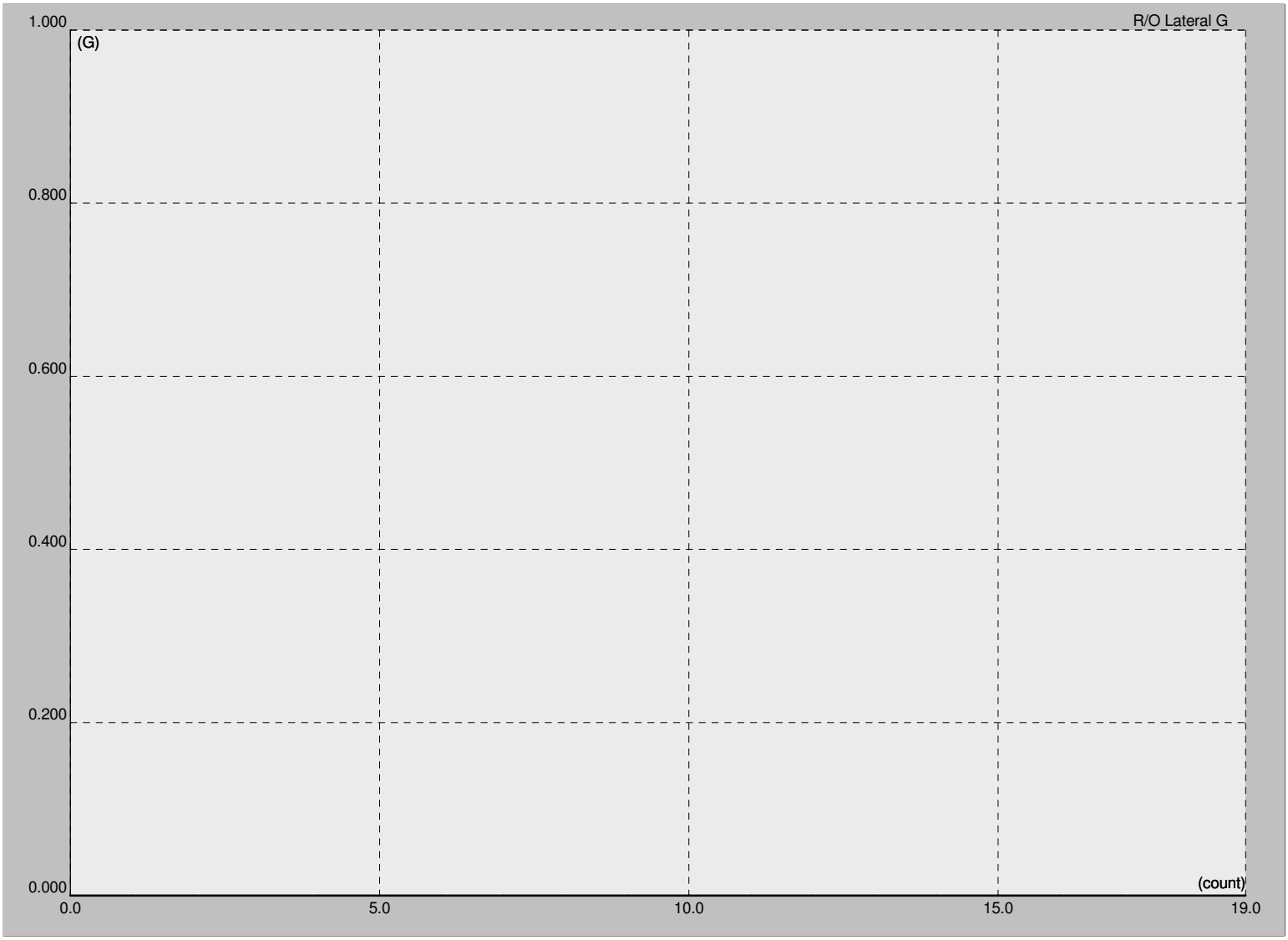
Event Data

Case 31 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	TMS TAG LE 110
ACCIDENT DATE	3[redacted] 2010
VEHICLE	RX350
MODEL YEAR	2009[redacted]
VIN NUMBER	2T2HK31U29C [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	R/O Lateral G



R/O Lateral G GWave

count	R/O Lateral G	count	R/O Lateral G
0.0	0.0	15.0	0.0
1.0	0.0	16.0	0.0
2.0	0.0	17.0	0.0
3.0	0.0	18.0	0.0
4.0	0.0	19.0	0.0
5.0	0.0		
6.0	0.0		
7.0	0.0		
8.0	0.0		
9.0	0.0		
10.0	0.0		
11.0	0.0		
12.0	0.0		
13.0	0.0		
14.0	0.0		

Case 32

Vehicle MY - Model: 2008 ES350

Incident Location: Driveway

Inspection Prompted by: Subsequent owner of a complaint vehicle alleged an additional unintended acceleration incident

Incident Synopsis: Pulling into residential driveway; Struck building

Observation: EDR Pre-Crash Data Indicate: Late brake application (within 1 second of impact)

See Page 1

Latest Pre-Crash Page.0

RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: DGPearse
Accident Date	[redacted]2010
Vehicle	[redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

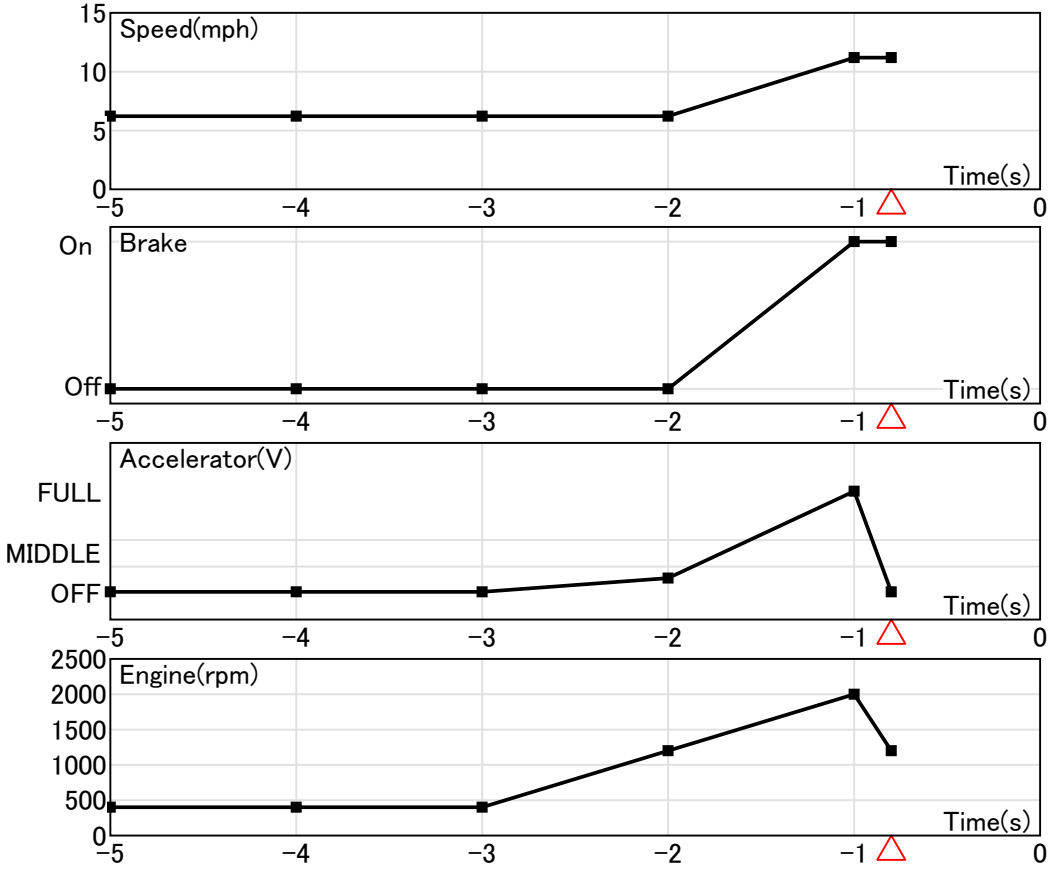
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RW
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	6.2	6.2	6.2	6.2	11.2	11.2(mph)
Brake	:	OFF	OFF	OFF	OFF	ON	ON
Accelerator	:	0.78	0.78	0.78	1.17	3.63	0.78(V)
		OFF	OFF	OFF	OFF	FULL	OFF
Engine	:	400	400	400	1200	2000	1200(rpm)

Time from Last PreCrash Data : 200(ms) △

Next Most Recent Pre-Crash Page.1

RecordStatus : Recorded

User Data

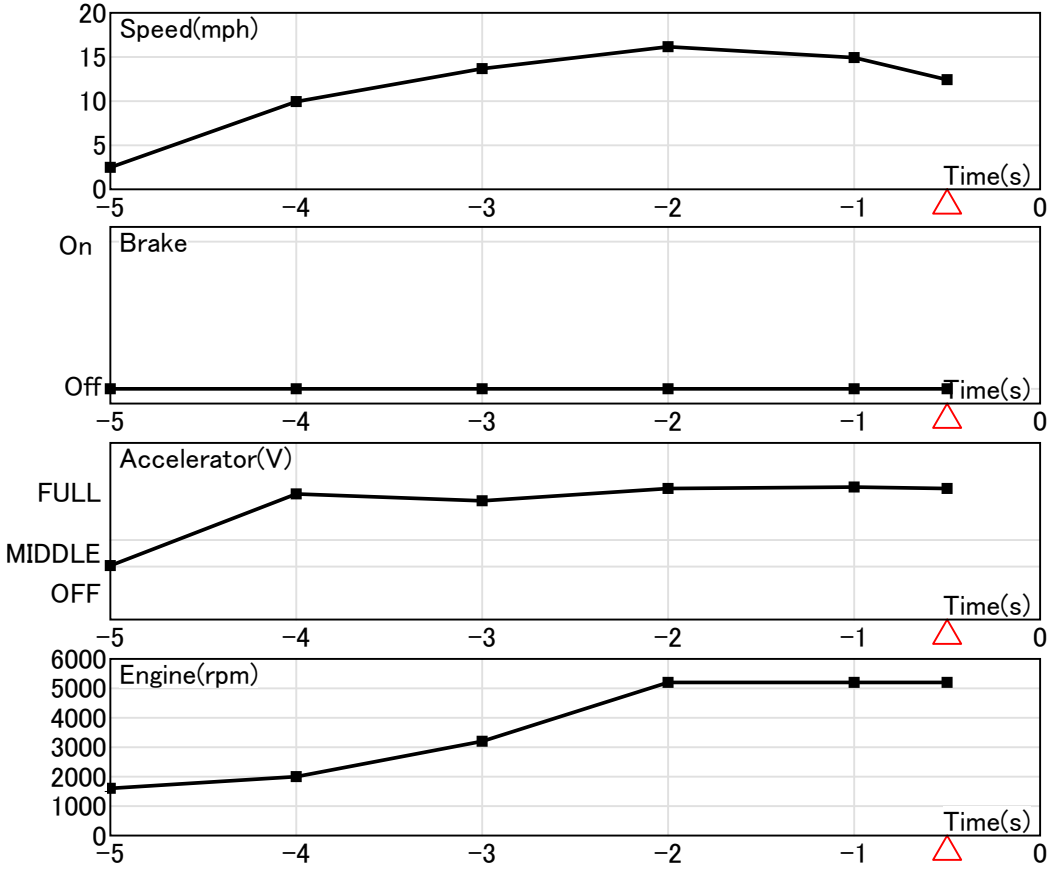
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RW
Shift Position	: P
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	2.5	9.9	13.7	16.2	14.9	12.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.52	3.55	3.36	3.71	3.75	3.71(V)
		MIDDLE	FULL	FULL	FULL	FULL	FULL
Engine	:	1600	2000	3200	5200	5200	5200(rpm)

Time from Last PreCrash Data : 500(ms) △

Frontal Crash Page.0

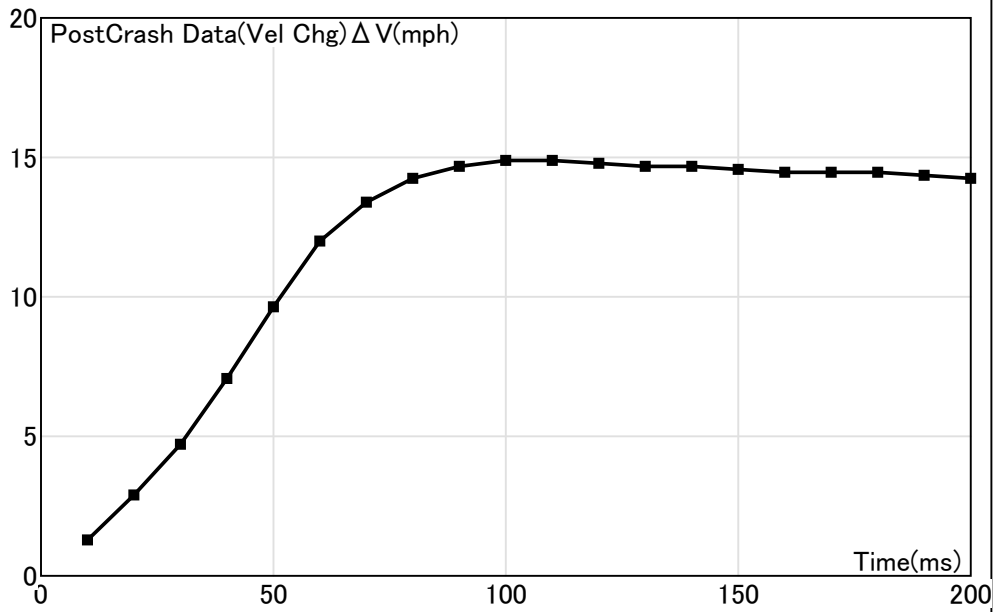
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 14.9(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 201(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.3
20	2.9
30	4.7
40	7.1
50	9.6
60	12.0
70	13.4
80	14.2
90	14.7
100	14.9
110	14.9
120	14.8
130	14.7
140	14.7
150	14.6
160	14.5
170	14.5
180	14.5
190	14.4
200	14.2

Frontal Crash Page.1

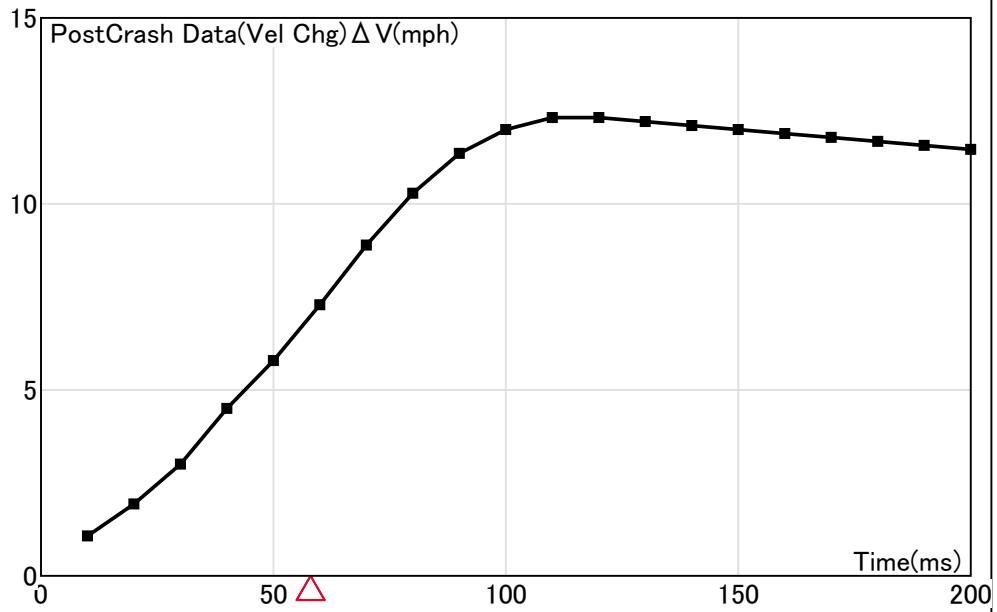
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 12.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 5(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 58(ms) △
Pretensioner Deployment Time	: 58(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.1
20	1.9
30	3.0
40	4.5
50	5.8
60	7.3
70	8.9
80	10.3
90	11.4
100	12.0
110	12.3
120	12.3
130	12.2
140	12.1
150	12.0
160	11.9
170	11.8
180	11.7
190	11.6
200	11.5

Side Crash Page.0

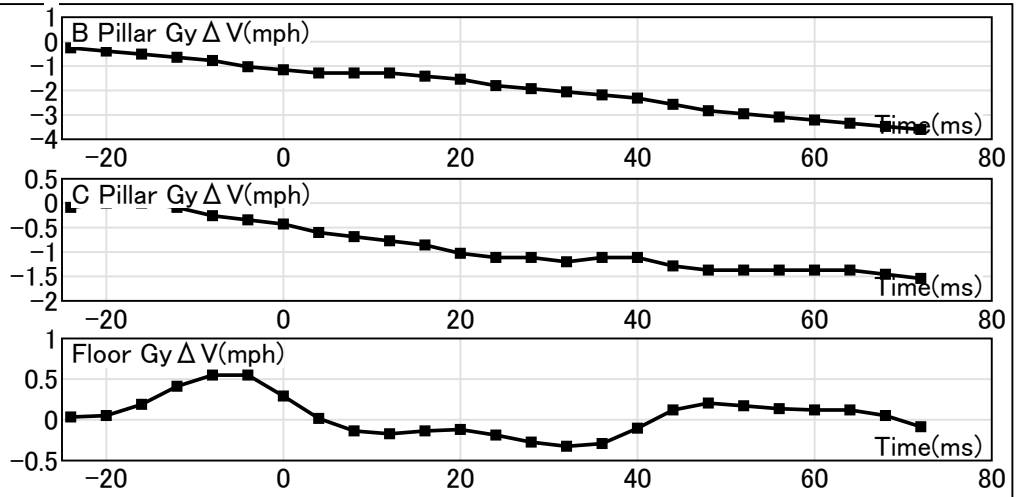
RecordStatus : Recorded

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482 [redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 61(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-24	-0.3	-0.1	0.0
-20	-0.4	0.0	0.1
-16	-0.5	0.0	0.2
-12	-0.6	-0.1	0.4
-8	-0.8	-0.3	0.5
-4	-1.0	-0.3	0.5
0	-1.2	-0.4	0.3
4	-1.3	-0.6	0.0
8	-1.3	-0.7	-0.1
12	-1.3	-0.8	-0.2
16	-1.4	-0.9	-0.1
20	-1.5	-1.0	-0.1
24	-1.8	-1.1	-0.2
28	-1.9	-1.1	-0.3
32	-2.1	-1.2	-0.3
36	-2.2	-1.1	-0.3
40	-2.3	-1.1	-0.1
44	-2.6	-1.3	0.1
48	-2.8	-1.4	0.2
52	-3.0	-1.4	0.2
56	-3.1	-1.4	0.1
60	-3.2	-1.4	0.1
64	-3.3	-1.4	0.1
68	-3.5	-1.5	0.1
72	-3.6	-1.5	-0.1

Side Crash Page.1

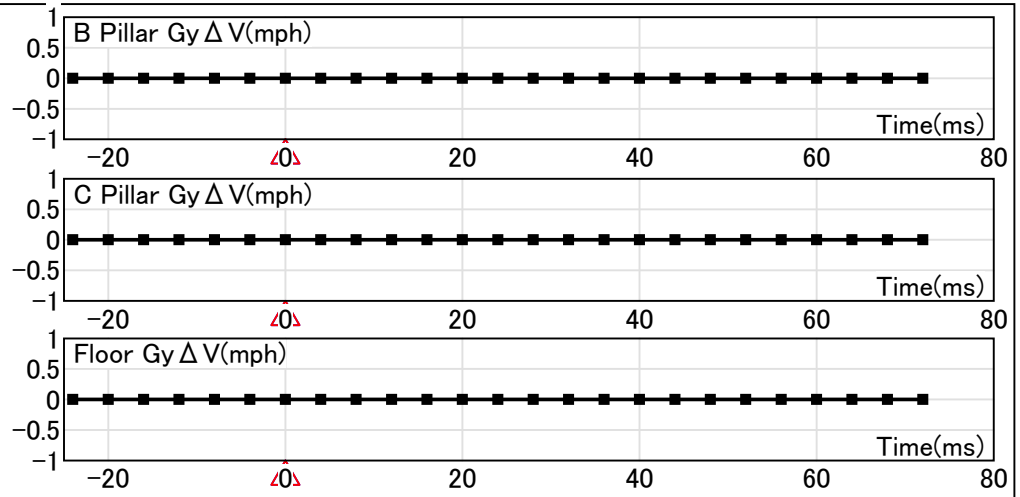
RecordStatus : Initial State

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: DGPearse
Accident Date	: [redacted]2010
Vehicle	: [redacted] ES350
Model Year	: 2008
VIN Number	: JTHBJ46G482[redacted]
Tool Version(download)	: Ver.1.4.1.0
Tool Version(display)	: Ver.1.4.1.0
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−24	0.0	0.0	0.0
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

Case 33

Vehicle MY - Model: 2009 Camry

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: I slowly turned right into the spot, the car was in the spot and the car was straight and my foot was on the brakes. Unexpectedly the car started accelerating on its own, then the car with great speed climbed up the curb and hit the hair salon shop.

Incident Synopsis: Pulling into parking space; Intrusion into building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 33 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

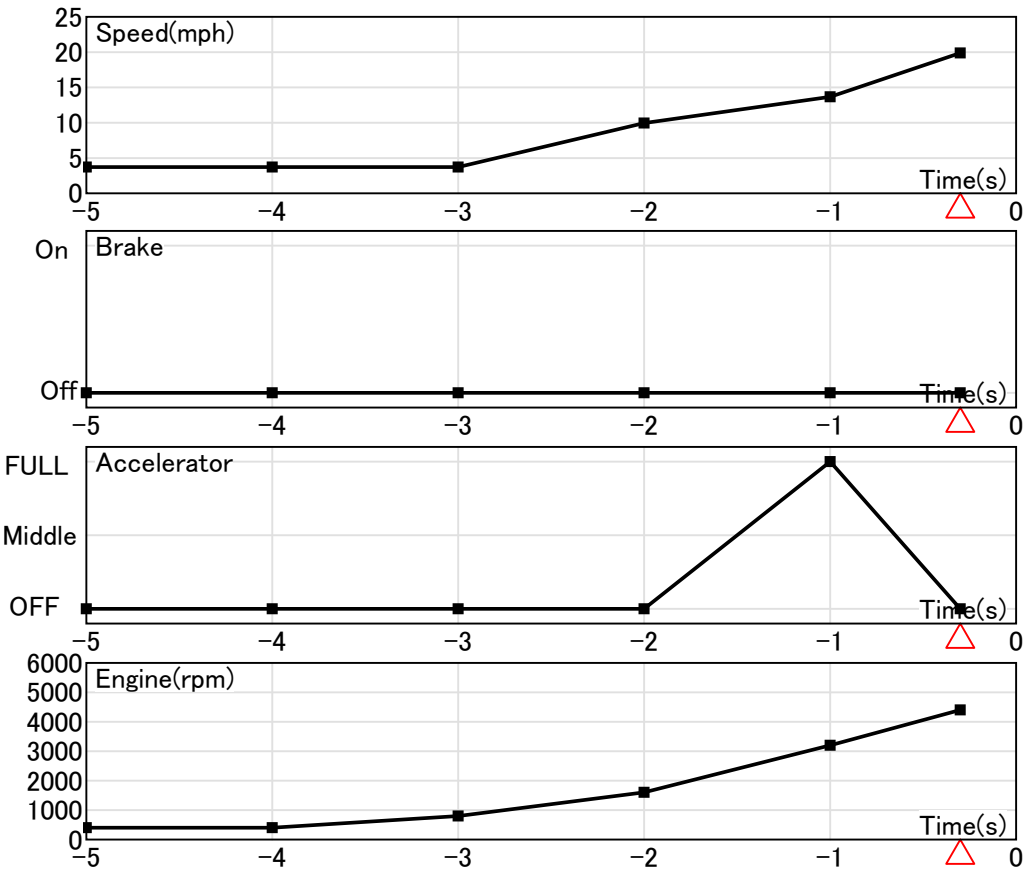
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	3.7	3.7	3.7	9.9	13.7	19.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	FULL	OFF
Engine	:	400	400	800	1600	3200	4400(rpm)

Time from Last PreCrash Data : 700(ms) △

Case 33 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

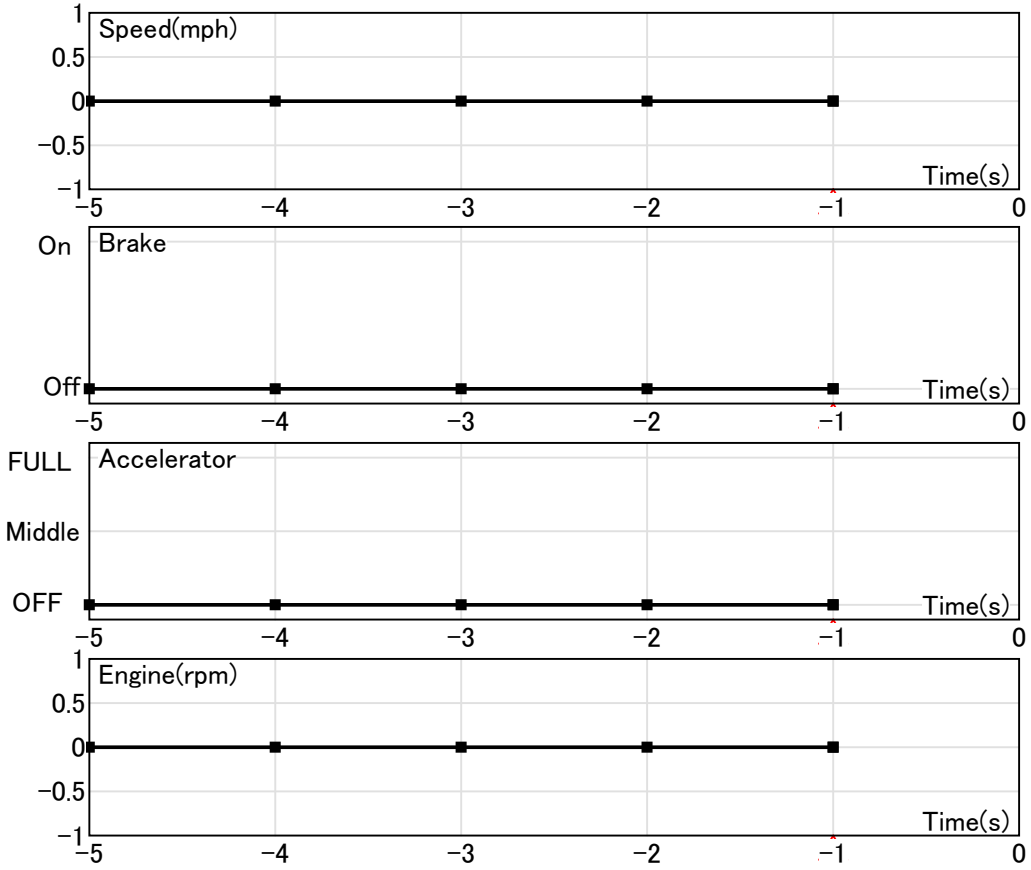
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 33 Complete EDR Image

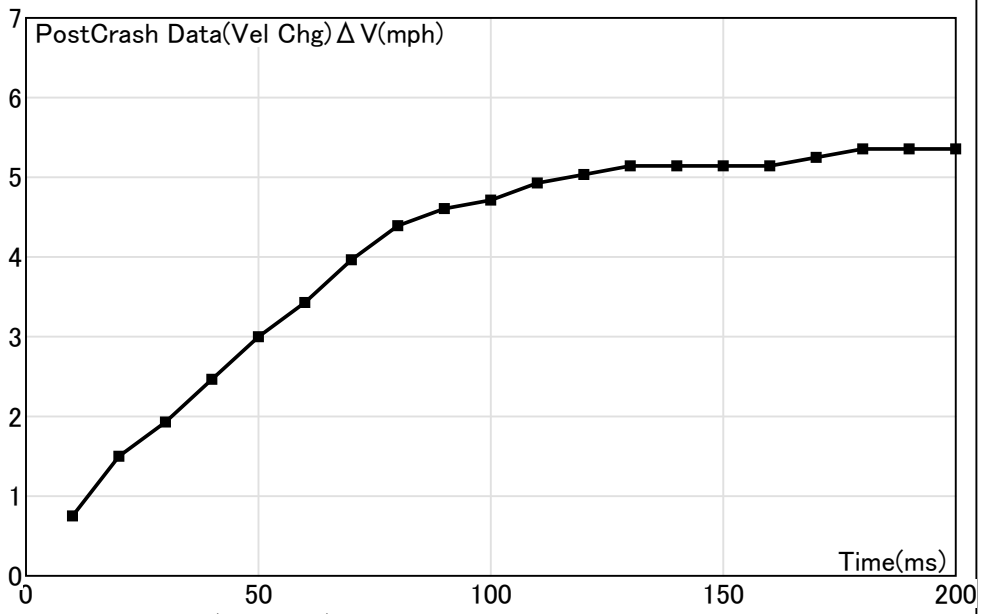
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 17.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.7
20	1.5
30	1.9
40	2.5
50	3.0
60	3.4
70	4.0
80	4.4
90	4.6
100	4.7
110	4.9
120	5.0
130	5.1
140	5.1
150	5.1
160	5.1
170	5.2
180	5.4
190	5.4
200	5.4

Case 33 Complete EDR Image

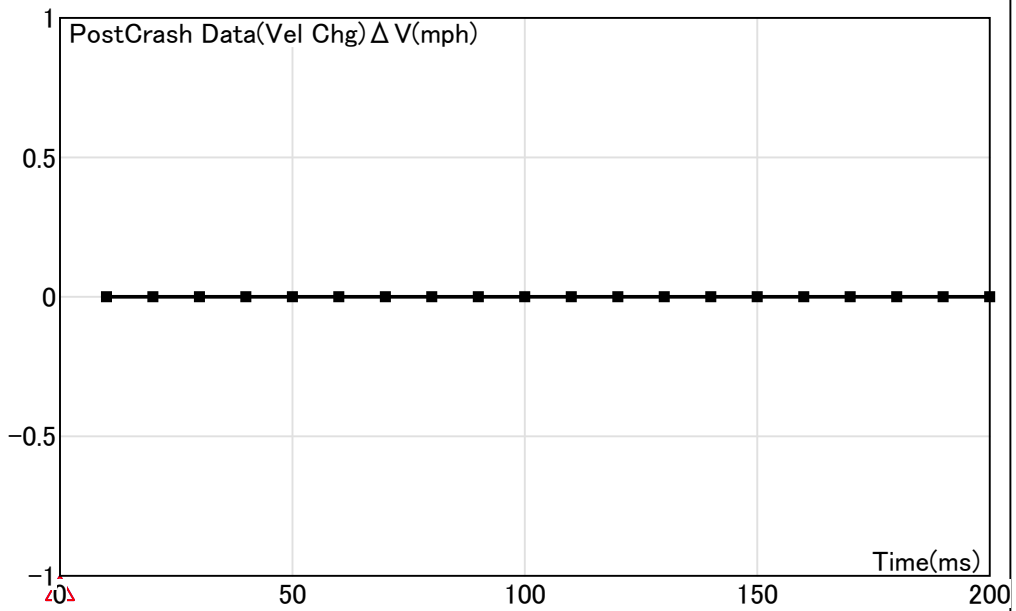
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 33 Complete EDR Image

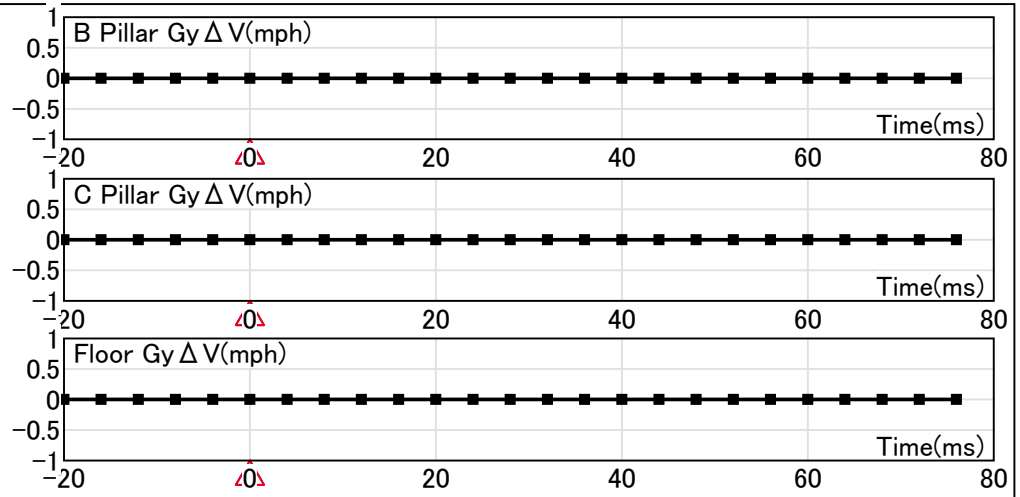
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 33 Complete EDR Image

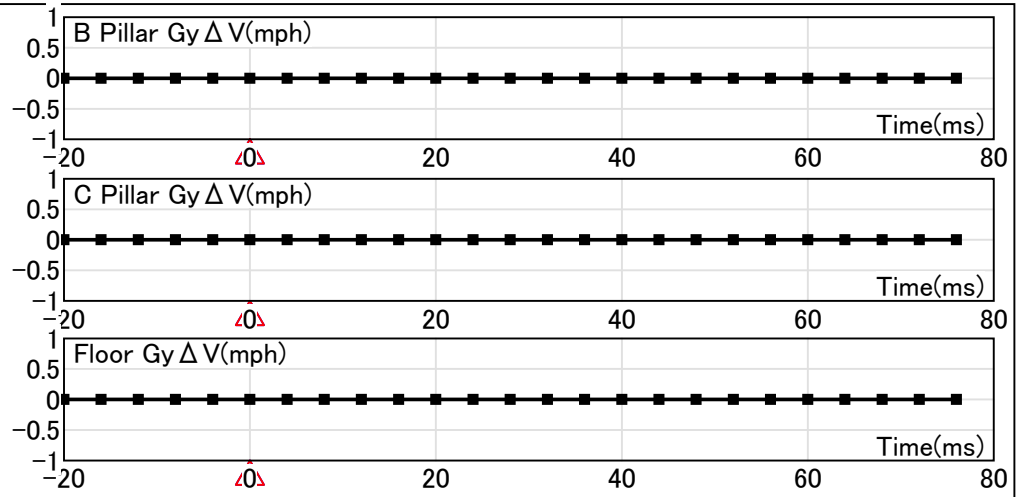
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 34

Vehicle MY - Model: 2007 RAV4

Incident Location: Rural gravel driveway

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Backing the vehicle in a rural gravel driveway; Struck multiple trees

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Next Most Recent Pre-Crash Page.0

User Data

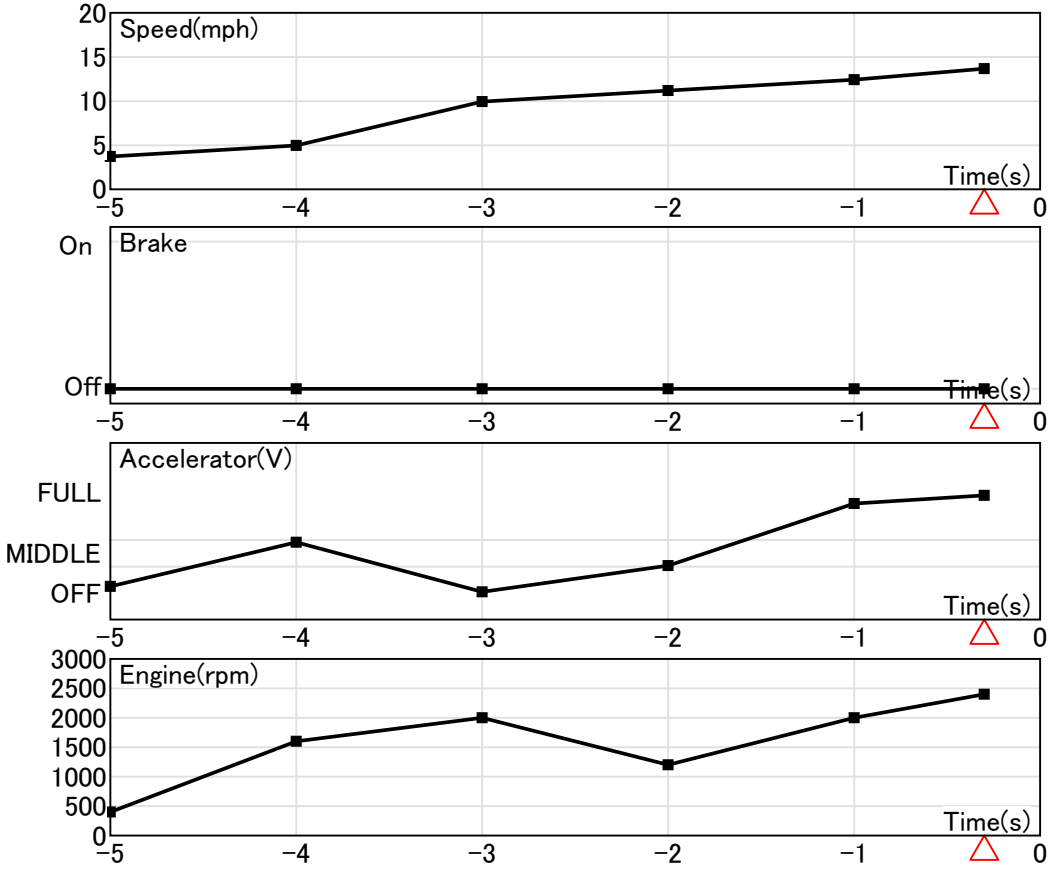
RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: JRY
Accident Date	[redacted]10
Vehicle	[redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: R
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	3.7	5.0	9.9	11.2	12.4	13.7(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.94	2.19	0.78	1.52	3.28	3.52(V)
		OFF	MIDDLE	OFF	MIDDLE	FULL	FULL
Engine	:	400	1600	2000	1200	2000	2400(rpm)

Time from Last PreCrash Data : 700(ms)

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

System Information

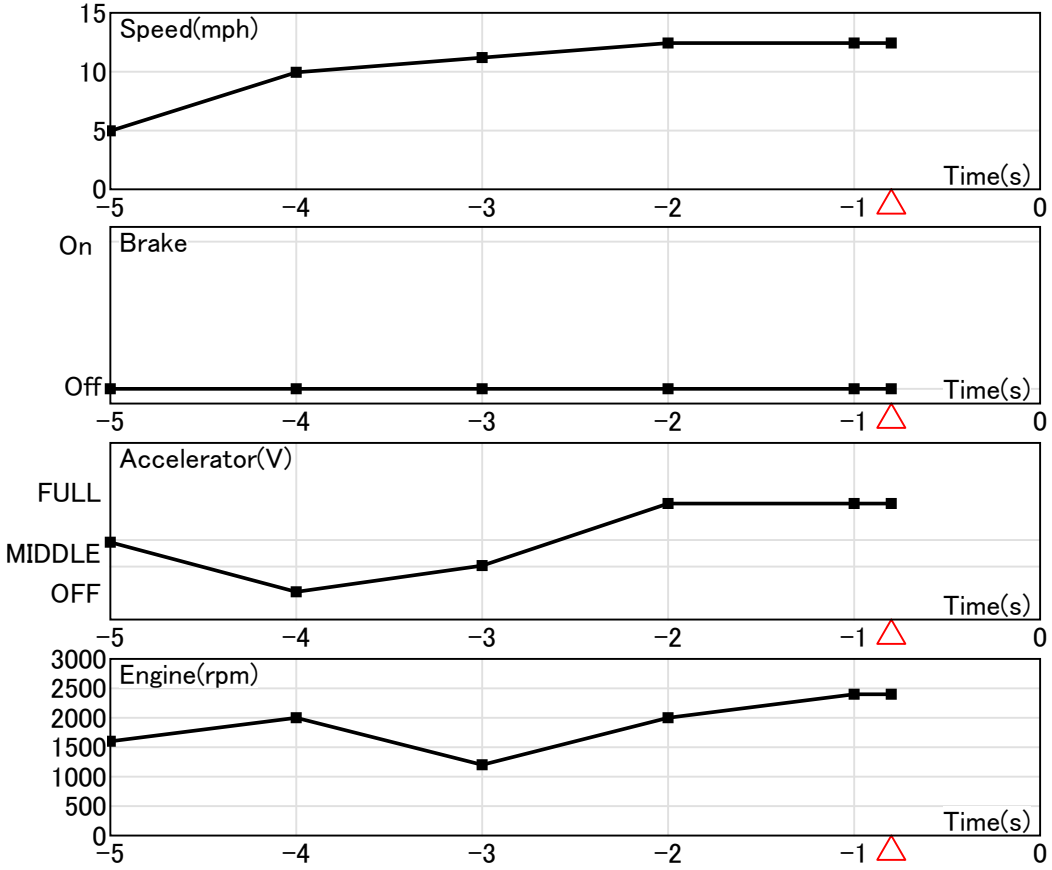
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 511(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: R
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	5.0	9.9	11.2	12.4	12.4	12.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	2.19 MIDDLE	0.78 OFF	1.52 MIDDLE	3.28 FULL	3.28 FULL	3.28(V) FULL
Engine	:	1600	2000	1200	2000	2400	2400(rpm)

Time from Last PreCrash Data : 200(ms) △

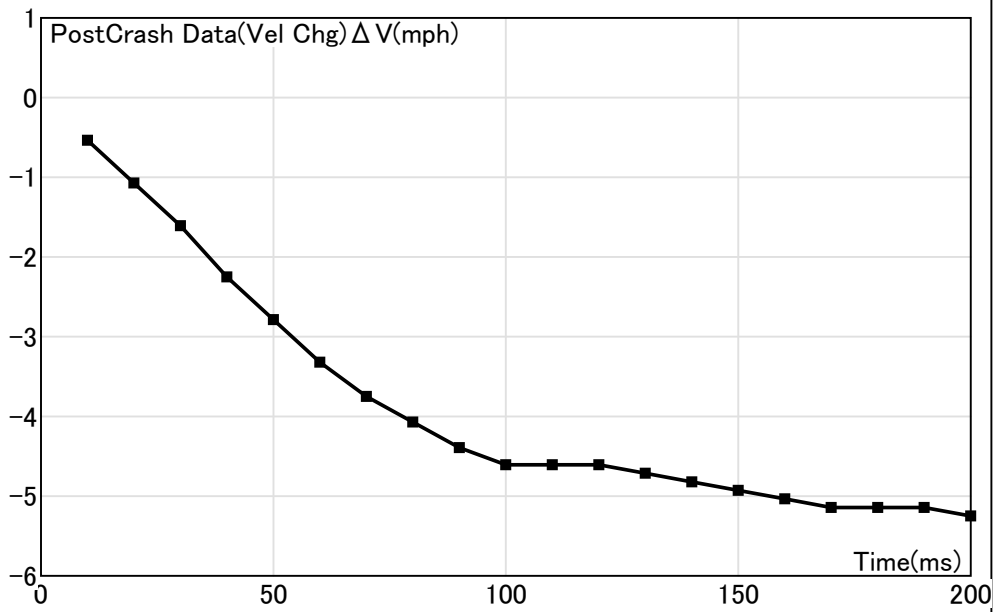
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: −5.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 8(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 5(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	−0.5
20	−1.1
30	−1.6
40	−2.2
50	−2.8
60	−3.3
70	−3.7
80	−4.1
90	−4.4
100	−4.6
110	−4.6
120	−4.6
130	−4.7
140	−4.8
150	−4.9
160	−5.0
170	−5.1
180	−5.1
190	−5.1
200	−5.2

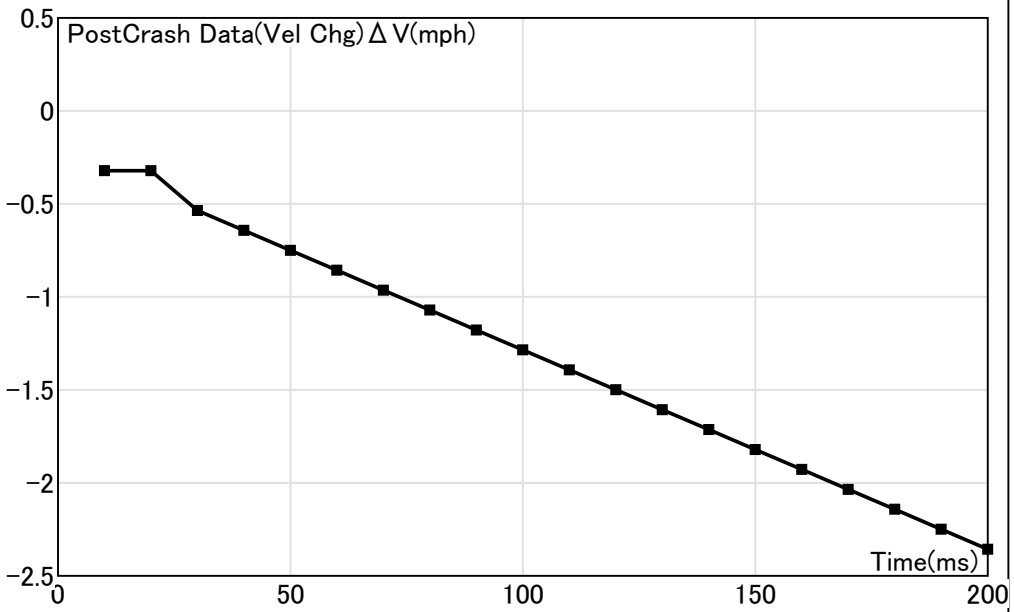
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: −2.4(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	−0.3
20	−0.3
30	−0.5
40	−0.6
50	−0.7
60	−0.9
70	−1.0
80	−1.1
90	−1.2
100	−1.3
110	−1.4
120	−1.5
130	−1.6
140	−1.7
150	−1.8
160	−1.9
170	−2.0
180	−2.1
190	−2.2
200	−2.4

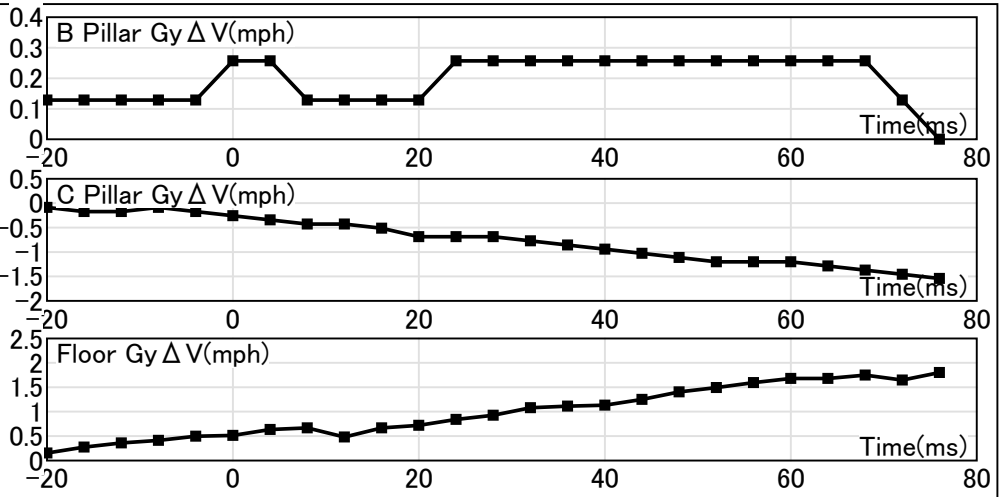
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	[redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 7(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.1	-0.1	0.2
-16	0.1	-0.2	0.3
-12	0.1	-0.2	0.4
-8	0.1	-0.1	0.4
-4	0.1	-0.2	0.5
0	0.3	-0.3	0.5
4	0.3	-0.3	0.6
8	0.1	-0.4	0.7
12	0.1	-0.4	0.5
16	0.1	-0.5	0.7
20	0.1	-0.7	0.7
24	0.3	-0.7	0.8
28	0.3	-0.7	0.9
32	0.3	-0.8	1.1
36	0.3	-0.9	1.1
40	0.3	-0.9	1.1
44	0.3	-1.0	1.3
48	0.3	-1.1	1.4
52	0.3	-1.2	1.5
56	0.3	-1.2	1.6
60	0.3	-1.2	1.7
64	0.3	-1.3	1.7
68	0.3	-1.4	1.7
72	0.1	-1.5	1.6
76	0.0	-1.5	1.8

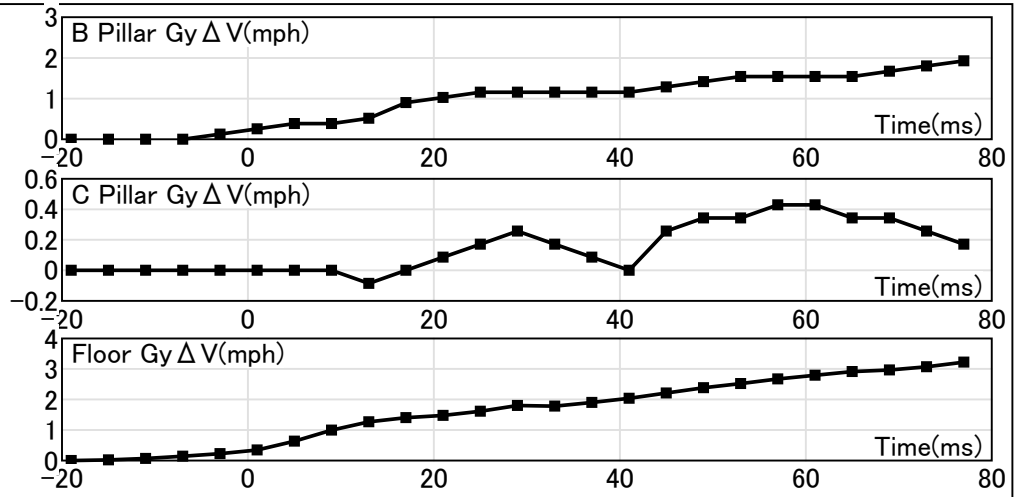
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	[redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 6(times)
Previous Event	: R/ONonCrash
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 414(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−19	0.0	0.0	0.0
−15	0.0	0.0	0.0
−11	0.0	0.0	0.1
−7	0.0	0.0	0.1
−3	0.1	0.0	0.2
1	0.3	0.0	0.3
5	0.4	0.0	0.6
9	0.4	0.0	1.0
13	0.5	−0.1	1.3
17	0.9	0.0	1.4
21	1.0	0.1	1.5
25	1.2	0.2	1.6
29	1.2	0.3	1.8
33	1.2	0.2	1.8
37	1.2	0.1	1.9
41	1.2	0.0	2.0
45	1.3	0.3	2.2
49	1.4	0.3	2.4
53	1.5	0.3	2.5
57	1.5	0.4	2.7
61	1.5	0.4	2.8
65	1.5	0.3	2.9
69	1.7	0.3	3.0
73	1.8	0.3	3.1
77	1.9	0.2	3.2

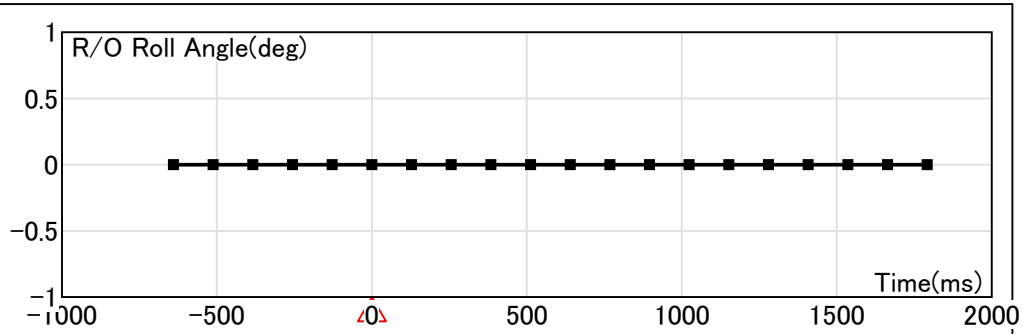
Roll Over Page.0

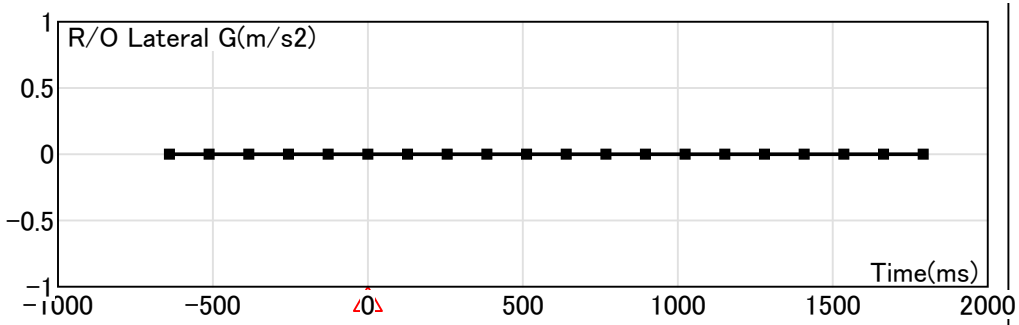
User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: JRY
Accident Date	[redacted]10
Vehicle	[redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms) △
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

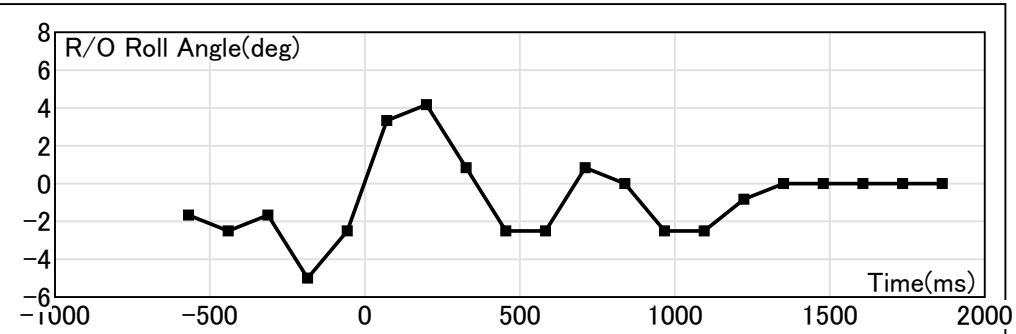
Roll Over Page.1

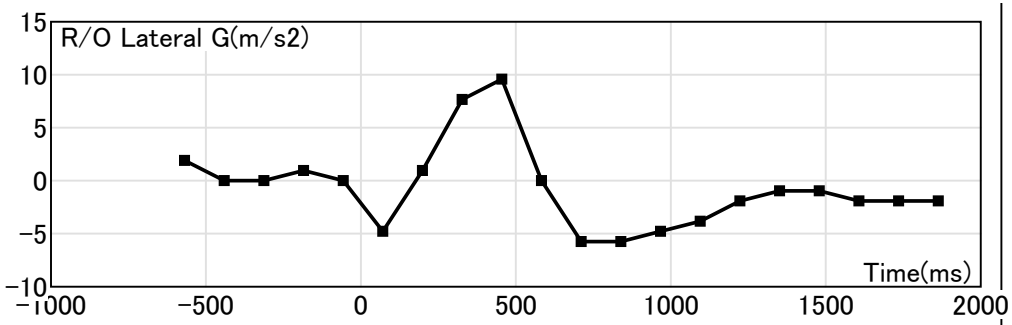
User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: JRY
Accident Date	[redacted]10
Vehicle	[redacted]Rav4
Model Year	: 2007
VIN Number	:
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 42250
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 71(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 5.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 5(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−569	−1.7	1.9
−441	−2.5	0.0
−313	−1.7	0.0
−185	−5.0	1.0
−57	−2.5	0.0
71	3.3	−4.8
199	4.2	1.0
327	0.8	7.7
455	−2.5	9.6
583	−2.5	0.0
711	0.8	−5.7
839	0.0	−5.7
967	−2.5	−4.8
1095	−2.5	−3.8
1223	−0.8	−1.9
1351	0.0	−1.0
1479	0.0	−1.0
1607	0.0	−1.9
1735	0.0	−1.9
1863	0.0	−1.9

Case 35

Vehicle MY - Model: 2007 ES350

Incident Location: Parking Lot

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Entering parking space; Struck wall

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 35 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: 06[redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]/10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

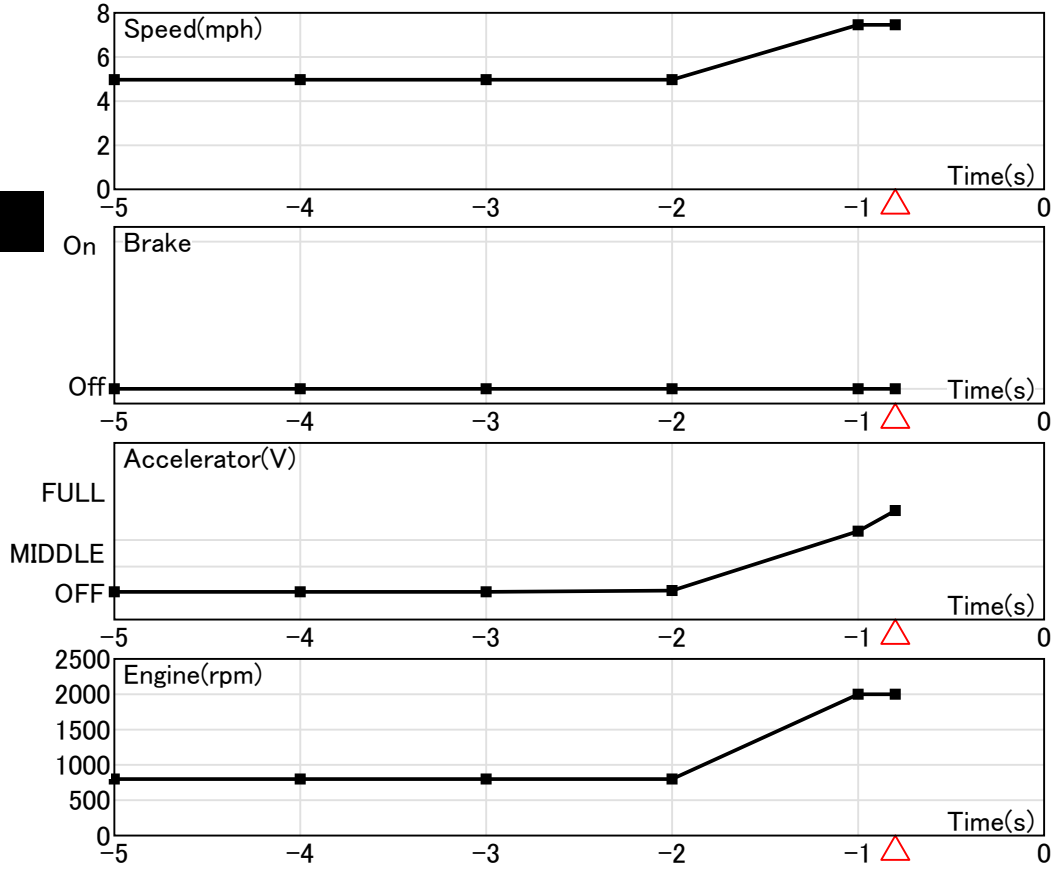
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	5.0	5.0	5.0	5.0	7.5	7.5(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	0.82	2.50	3.09(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	800	800	800	800	2000	2000(rpm)

Time from Last PreCrash Data : 200(ms) △

Case 35 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

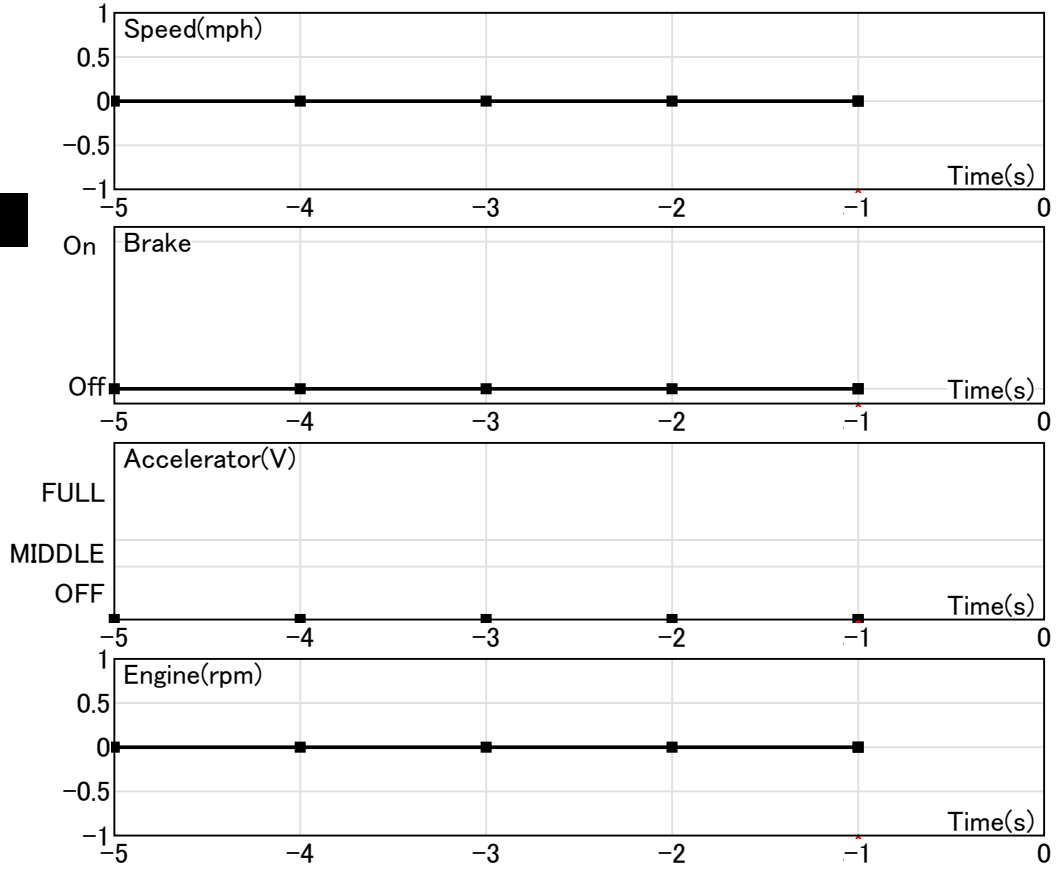
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 35 Complete EDR Image

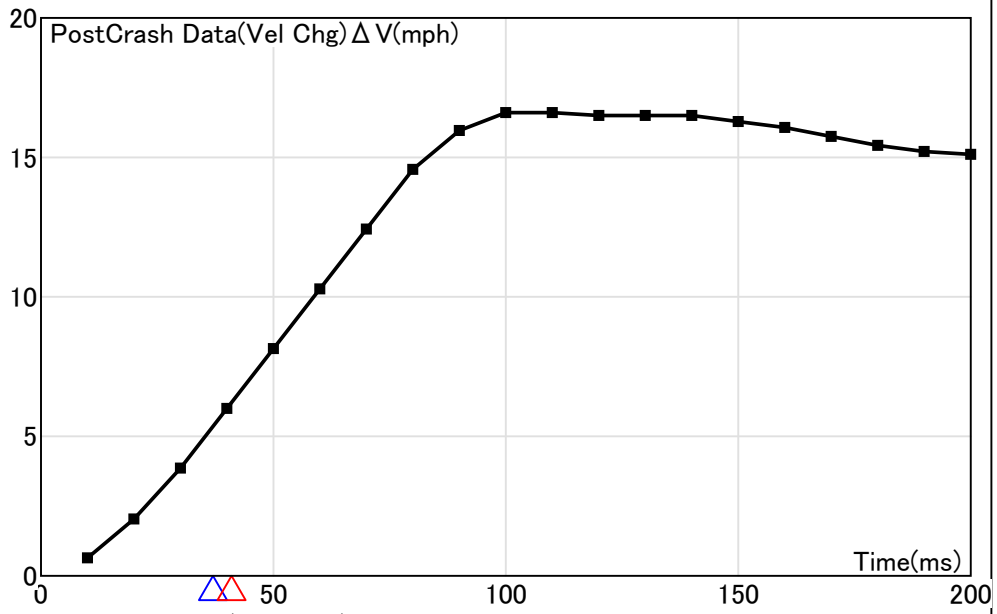
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 12.7(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 41(ms) △
Pretensioner Deployment Time	: 37(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.6
20	2.0
30	3.9
40	6.0
50	8.1
60	10.3
70	12.4
80	14.6
90	16.0
100	16.6
110	16.6
120	16.5
130	16.5
140	16.5
150	16.3
160	16.1
170	15.7
180	15.4
190	15.2
200	15.1

Case 35 Complete EDR Image

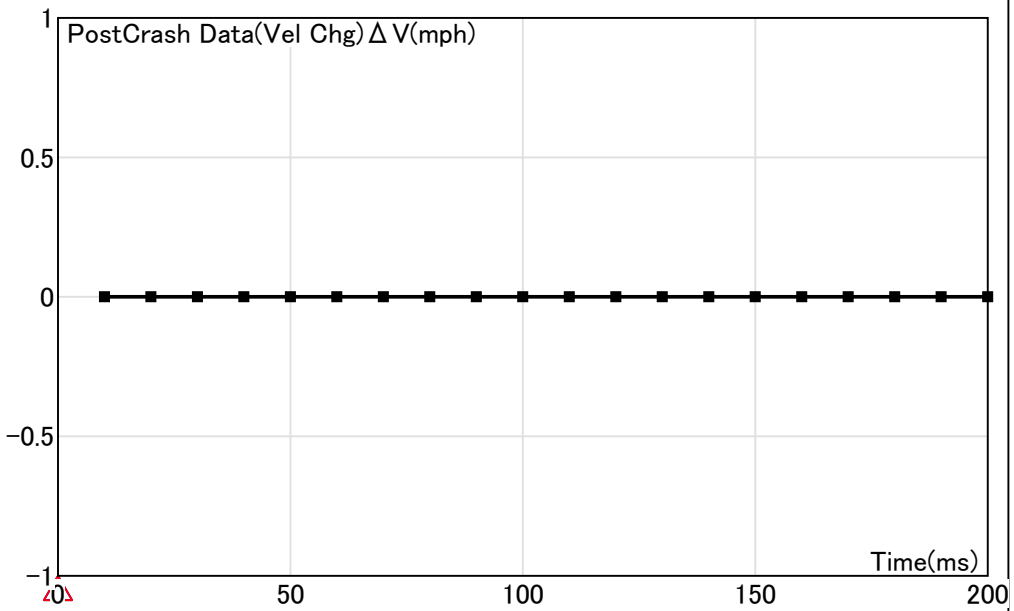
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 35 Complete EDR Image

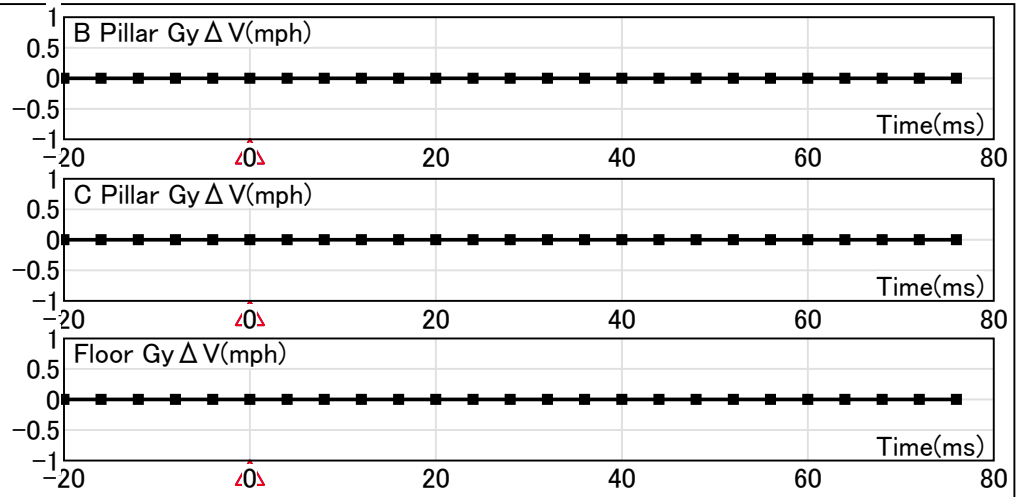
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 35 Complete EDR Image

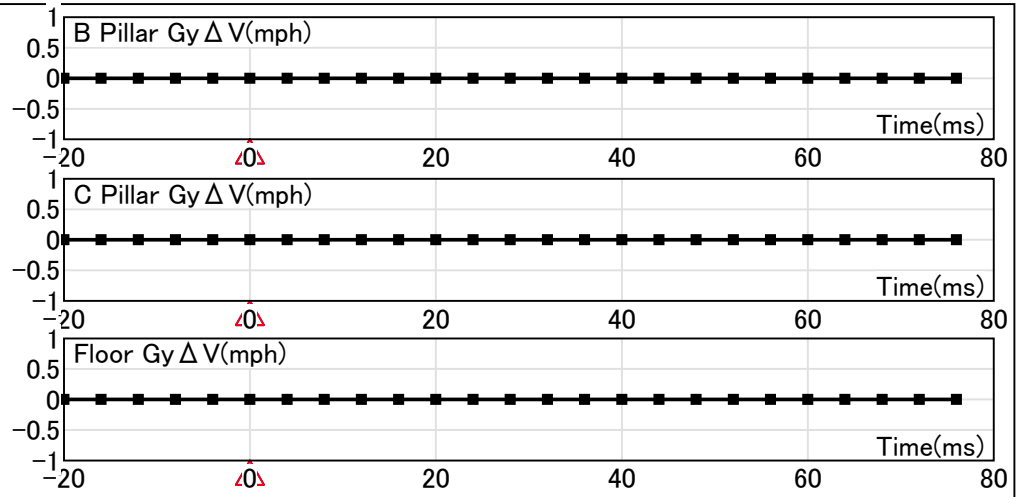
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Swanson/GodfreyNHSTA
Accident Date	: [redacted]10
Vehicle	: ES350
Model Year	: 2007
VIN Number	: JTHBJ46G172[redacted]
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 36

Vehicle MY - Model: 2008 RAV4

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: While driving 5 mph slowly into a parking space, vehicle abnormally accelerated and proceeded onto a nearby curb, the vehicle continued to accelerate until it crashed into a brick building. The engine continued idling as the passenger placed the vehicle into the Park position and exit the vehicle. The wheels on the vehicle continued to move as if it wanted to continue accelerating.

Incident Synopsis: Pulling into; Struck a building

Observation: EDR Pre-Crash Data Indicate: Late brake application (within 1 second of impact)

See Page 2

Case 36 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

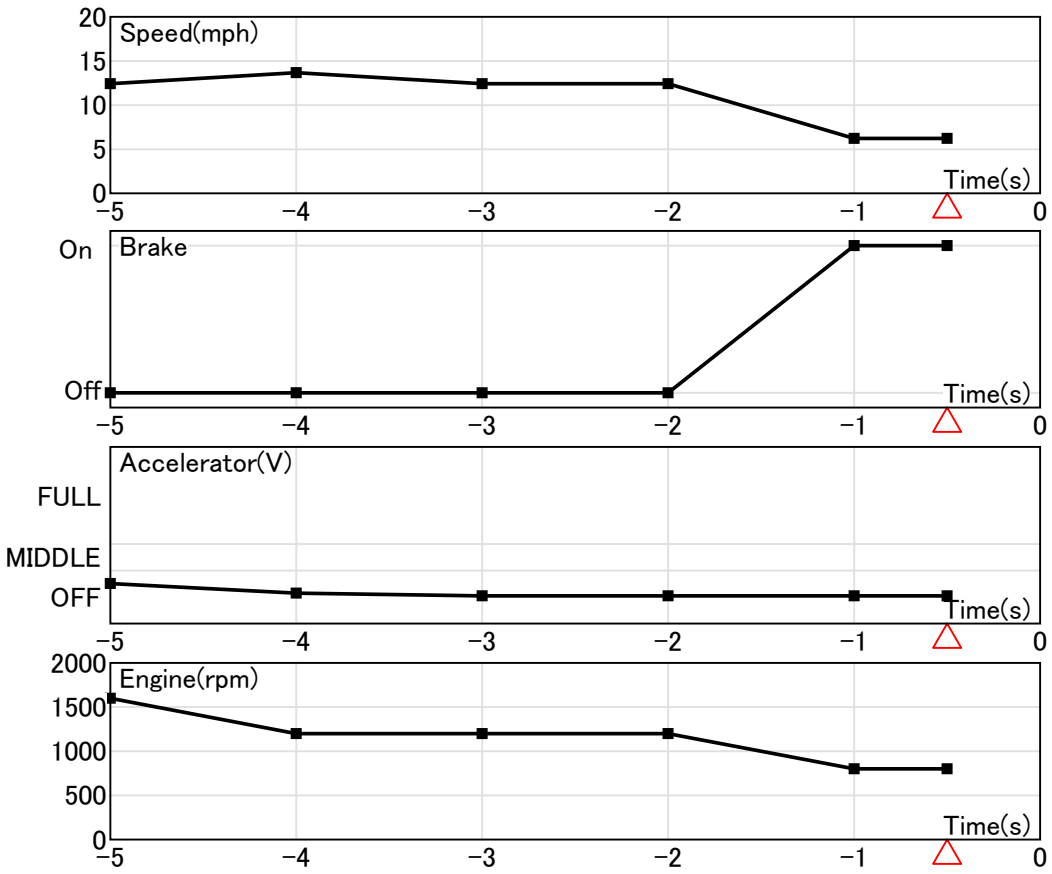
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4[redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	12.4	13.7	12.4	12.4	6.2	6.2(mph)
Brake	:	OFF	OFF	OFF	OFF	ON	ON
Accelerator	:	1.13	0.86	0.78	0.78	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1600	1200	1200	1200	800	800(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 36 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	: JRY
Accident Date	: [redacted] 2010
Vehicle	: Rav4 [redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

System Information

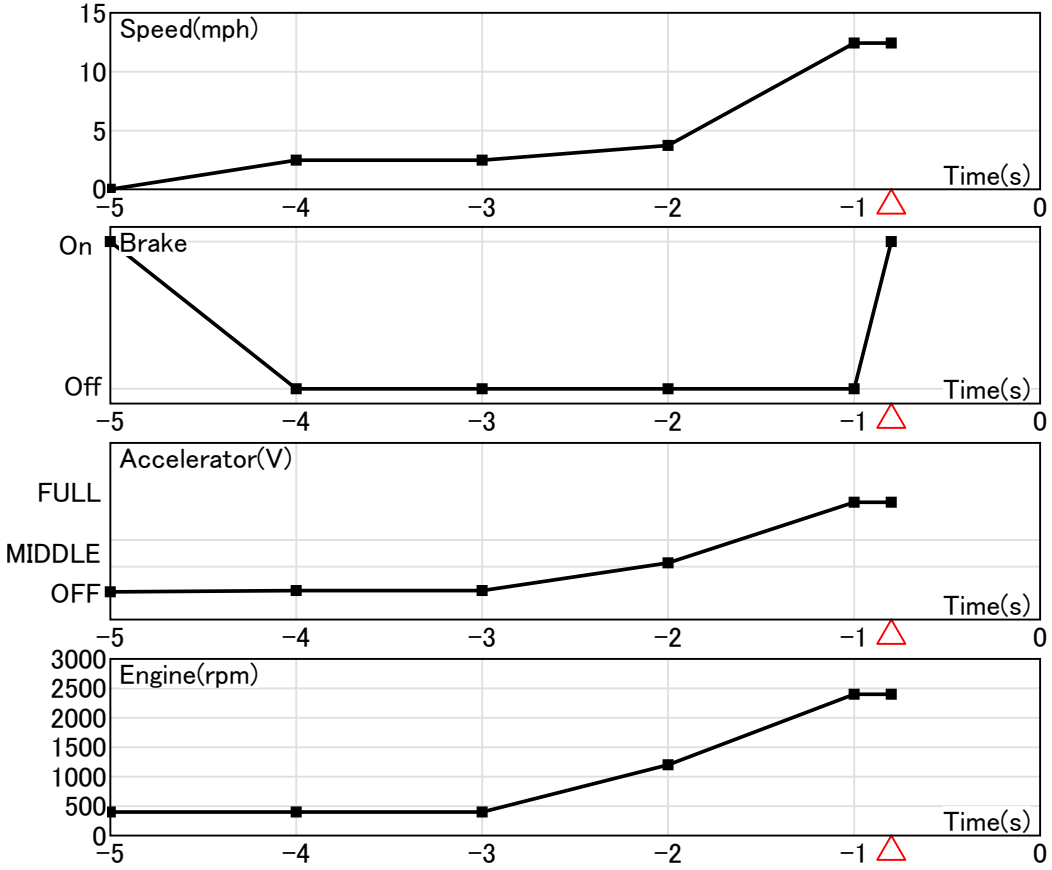
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	2.5	2.5	3.7	12.4	12.4(mph)
Brake	:	ON	OFF	OFF	OFF	OFF	ON
Accelerator	:	0.78	0.82	0.82	1.60	3.32	3.32(V)
		OFF	OFF	OFF	MIDDLE	FULL	FULL
Engine	:	400	400	400	1200	2400	2400(rpm)

Time from Last PreCrash Data : 200(ms) △

Case 36 Complete EDR Image

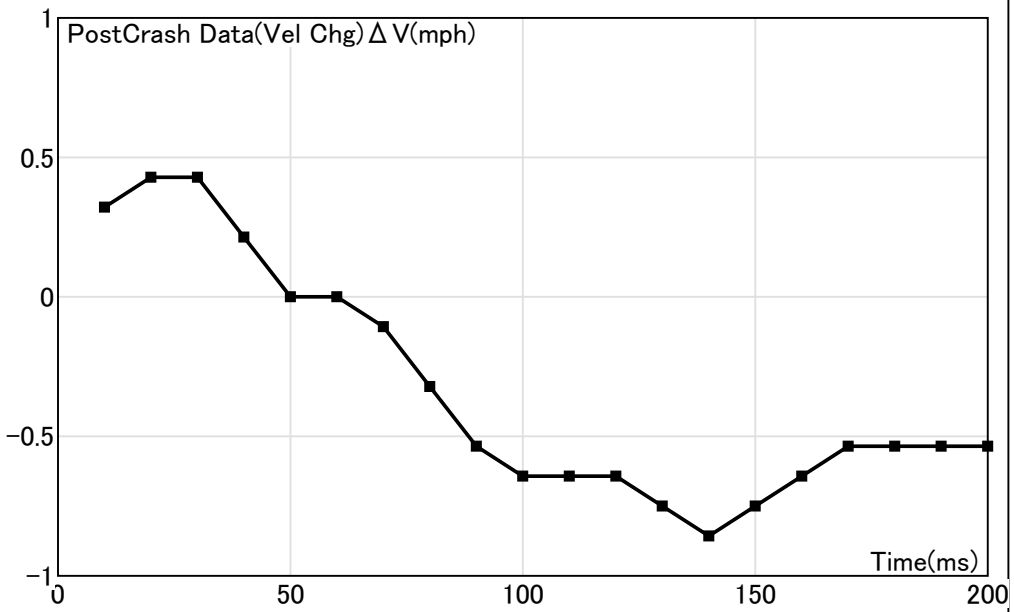
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4([redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.3
20	0.4
30	0.4
40	0.2
50	0.0
60	0.0
70	−0.1
80	−0.3
90	−0.5
100	−0.6
110	−0.6
120	−0.6
130	−0.7
140	−0.9
150	−0.7
160	−0.6
170	−0.5
180	−0.5
190	−0.5
200	−0.5

Case 36 Complete EDR Image

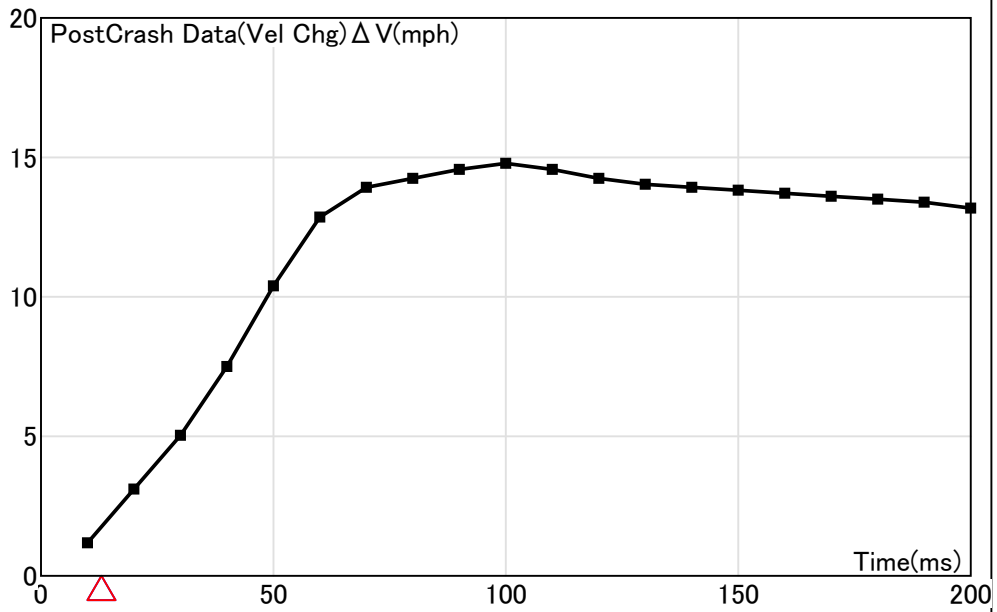
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4([redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 11.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 471(ms)
Frontal AB Deployment Time	: 13(ms) △
Pretensioner Deployment Time	: 13(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: Low
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.2
20	3.1
30	5.0
40	7.5
50	10.4
60	12.9
70	13.9
80	14.2
90	14.6
100	14.8
110	14.6
120	14.2
130	14.0
140	13.9
150	13.8
160	13.7
170	13.6
180	13.5
190	13.4
200	13.2

Case 36 Complete EDR Image

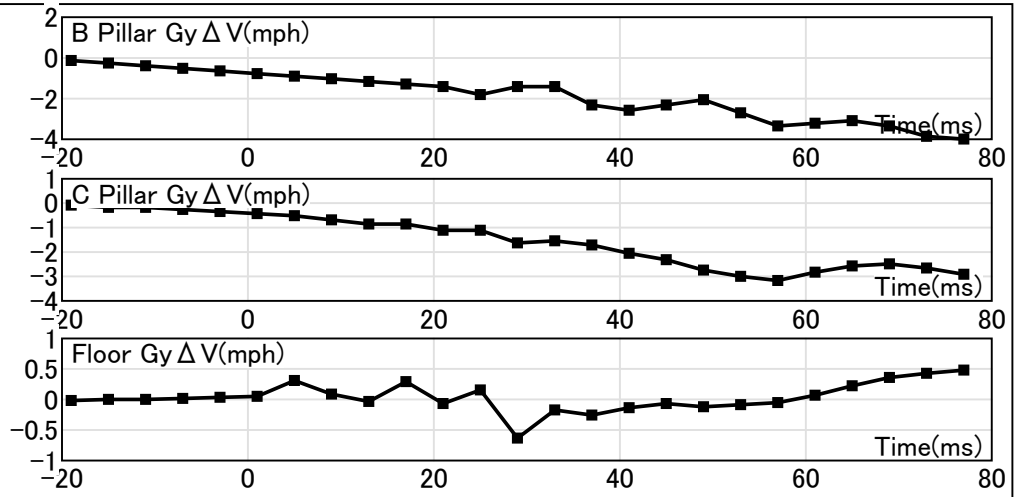
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4[redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 471(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	-0.1	-0.1	-0.0
-15	-0.3	-0.2	0.0
-11	-0.4	-0.2	0.0
-7	-0.5	-0.3	0.0
-3	-0.6	-0.3	0.0
1	-0.8	-0.4	0.1
5	-0.9	-0.5	0.3
9	-1.0	-0.7	0.1
13	-1.2	-0.9	-0.0
17	-1.3	-0.9	0.3
21	-1.4	-1.1	-0.1
25	-1.8	-1.1	0.2
29	-1.4	-1.6	-0.6
33	-1.4	-1.5	-0.2
37	-2.3	-1.7	-0.3
41	-2.6	-2.1	-0.1
45	-2.3	-2.3	-0.1
49	-2.1	-2.7	-0.1
53	-2.7	-3.0	-0.1
57	-3.3	-3.2	-0.1
61	-3.2	-2.8	0.1
65	-3.1	-2.6	0.2
69	-3.3	-2.5	0.4
73	-3.9	-2.7	0.4
77	-4.0	-2.9	0.5

Case 36 Complete EDR Image

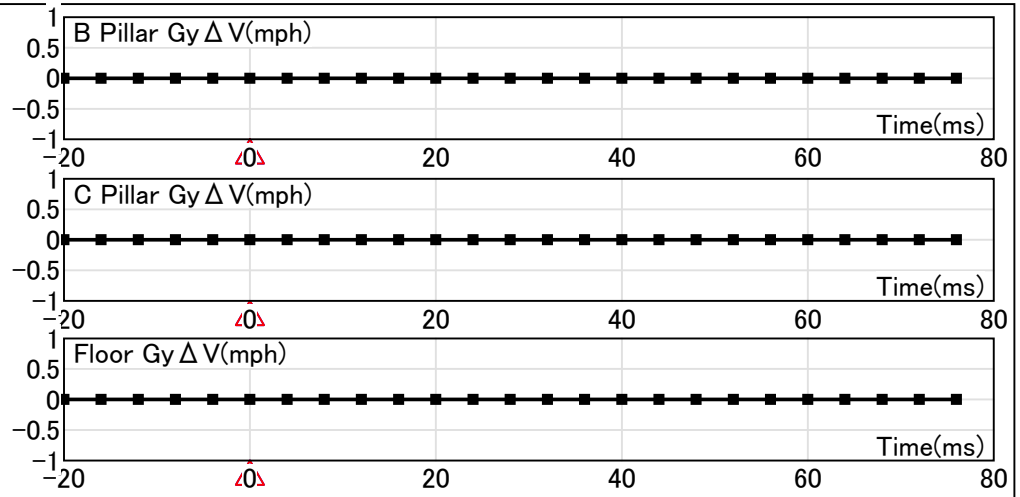
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]
Vehicle	: Rav4 [redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 36 Complete EDR Image

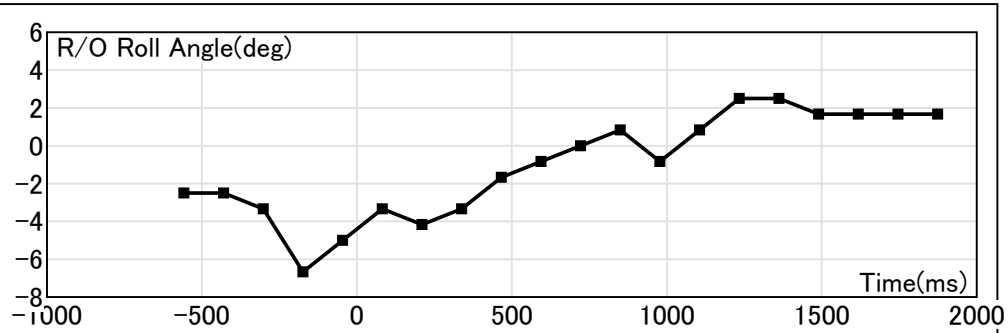
Roll Over Page.0

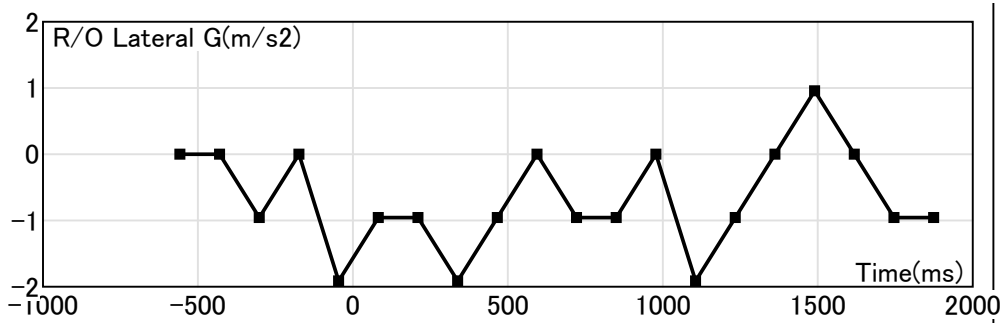
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4[redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 82(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 5.8(deg)
Crash Mode	: NonCrashData
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−558	−2.5	0.0
−430	−2.5	0.0
−302	−3.3	−1.0
−174	−6.7	0.0
−46	−5.0	−1.9
82	−3.3	−1.0
210	−4.2	−1.0
338	−3.3	−1.9
466	−1.7	−1.0
594	−0.8	0.0
722	0.0	−1.0
850	0.8	−1.0
978	−0.8	0.0
1106	0.8	−1.9
1234	2.5	−1.0
1362	2.5	0.0
1490	1.7	1.0
1618	1.7	0.0
1746	1.7	−1.0
1874	1.7	−1.0

Case 36 Complete EDR Image

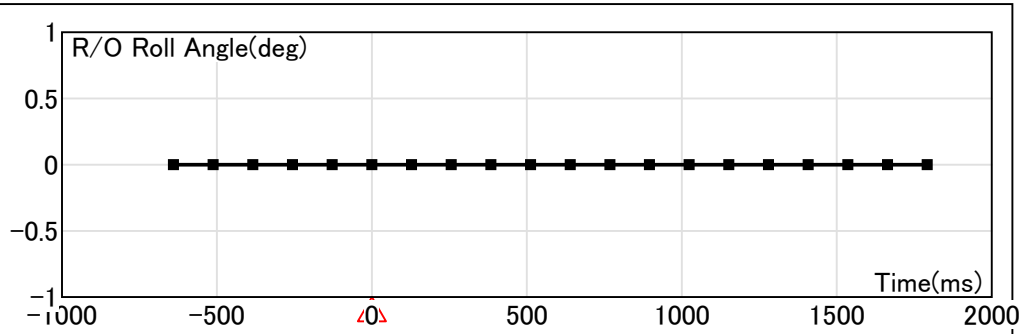
Roll Over Page.1

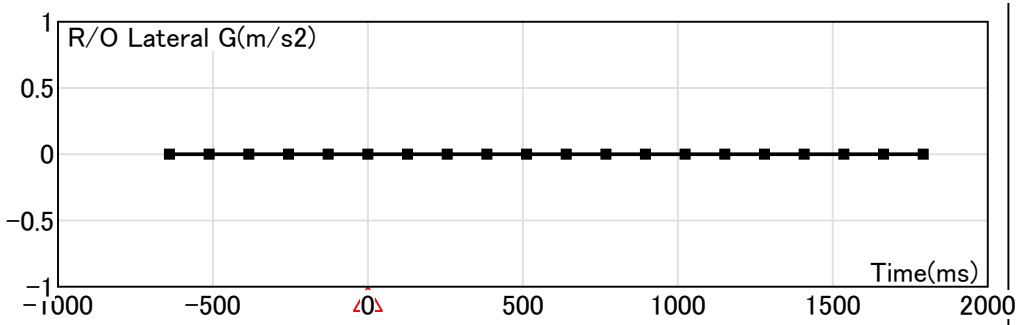
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]2010
Vehicle	: Rav4[redacted]
Model Year	: 2008
VIN Number	:
ECU No	: 42251
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms) △
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 37

Vehicle MY - Model: 2010 Highlander

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: While parked in a parking space the vehicle accelerated on its own. The vehicle jumped over a curb and crashed into a tree and hit a vehicle that was parked. The contact was able to place the vehicle into Neutral so that the vehicle can stop.

Incident Synopsis: Vehicle lunged from parking spot; Climbed curb, struck small tree, vehicle

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 37 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]tHighlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

System Information

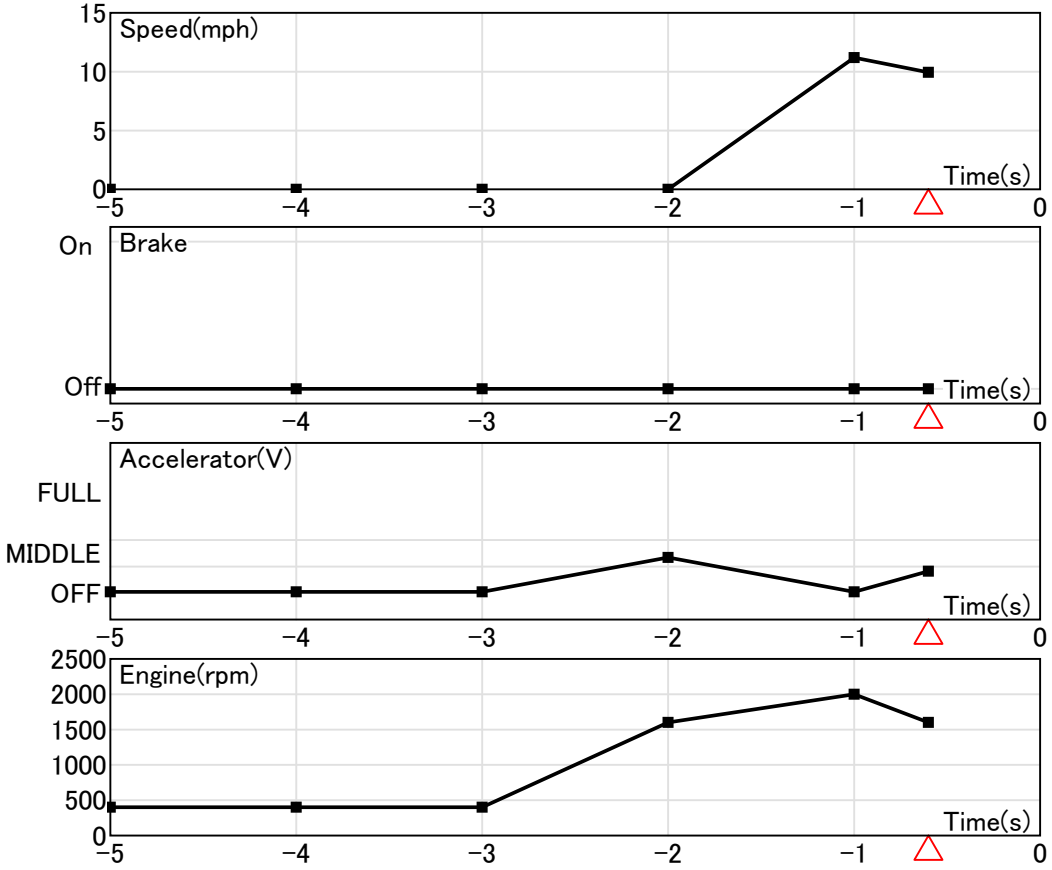
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	11.2	9.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	1.76	0.78	1.37(V)
		OFF	OFF	OFF	MIDDLE	OFF	OFF
Engine	:	400	400	400	1600	2000	1600(rpm)

Time from Last PreCrash Data : 400(ms) △

Case 37 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

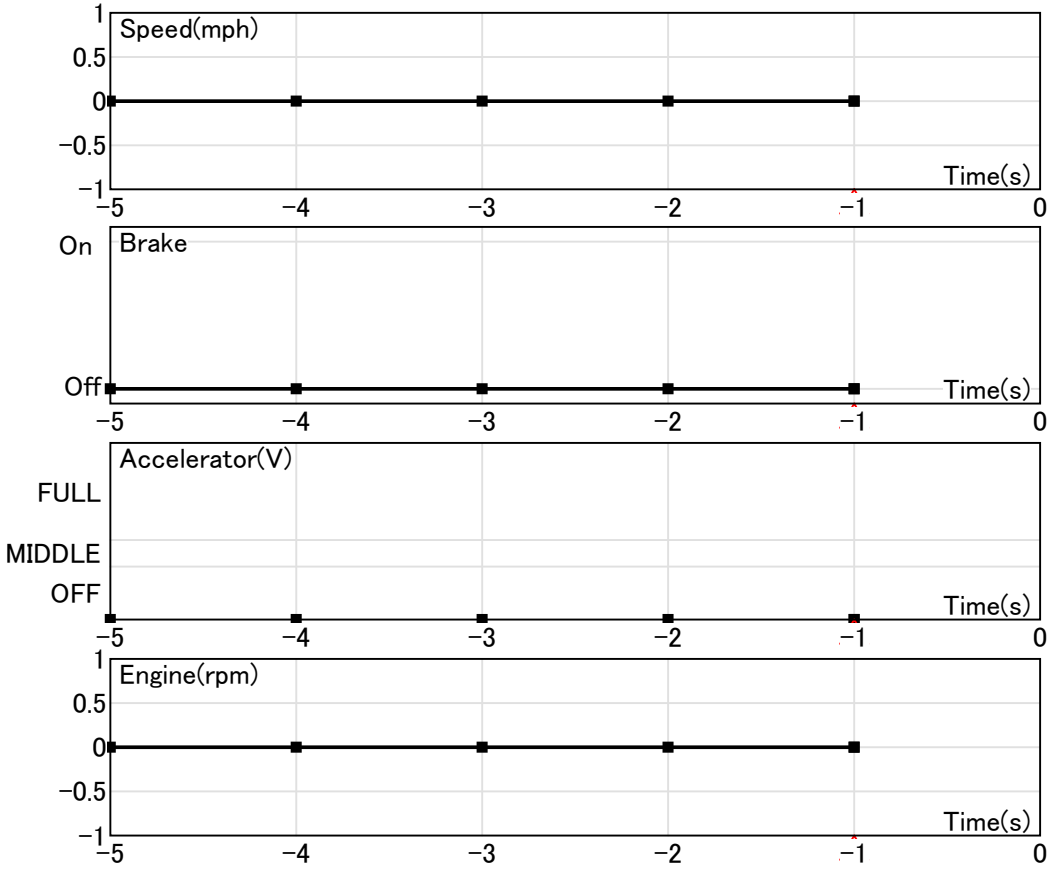
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]tHighlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 37 Complete EDR Image

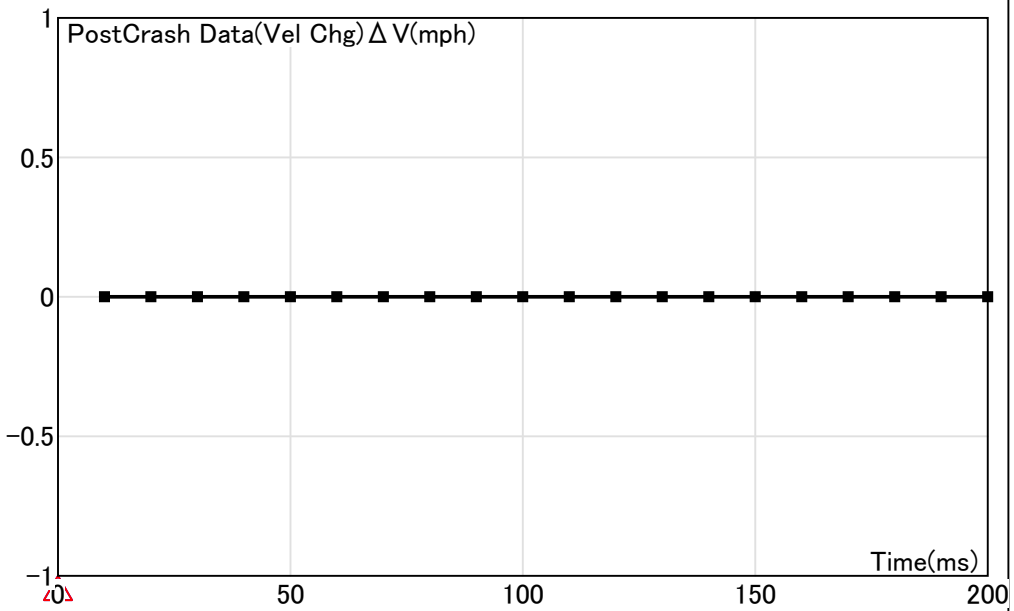
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 37 Complete EDR Image

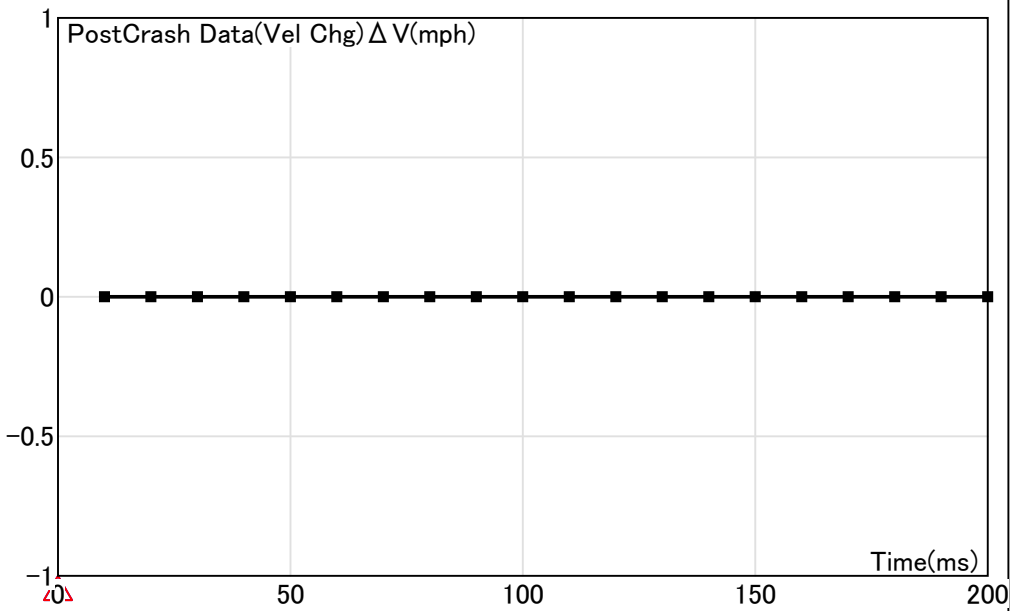
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]-10
Vehicle	: [redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 37 Complete EDR Image

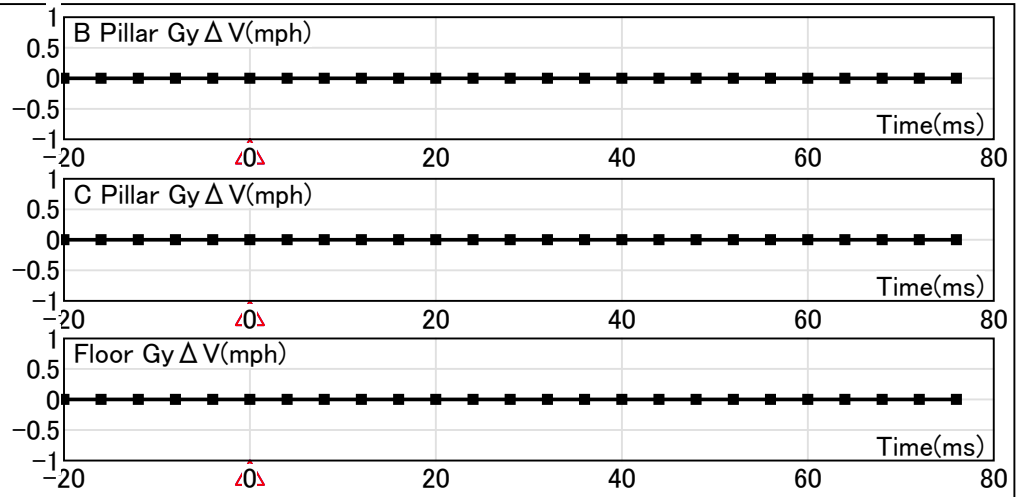
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]0
Vehicle	: [redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 37 Complete EDR Image

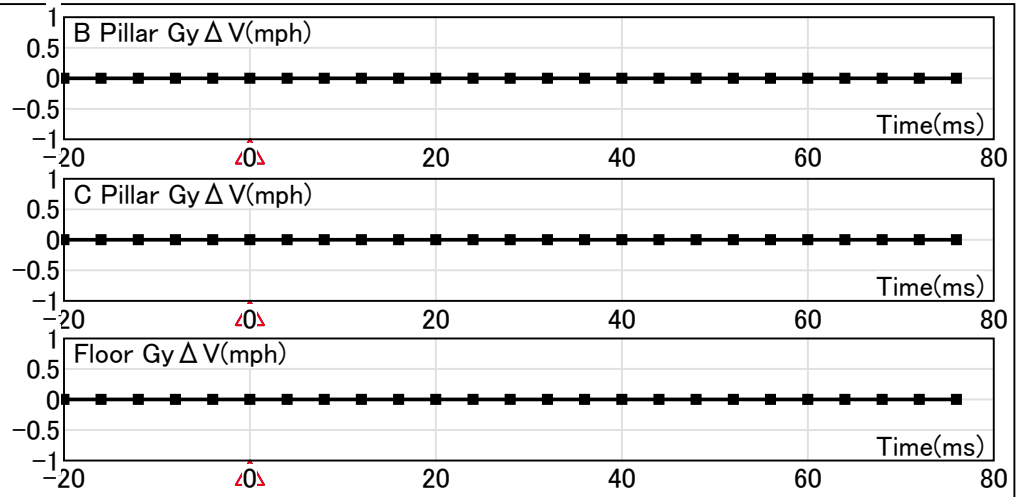
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: JRY
Accident Date	[redacted]10
Vehicle	[redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 37 Complete EDR Image

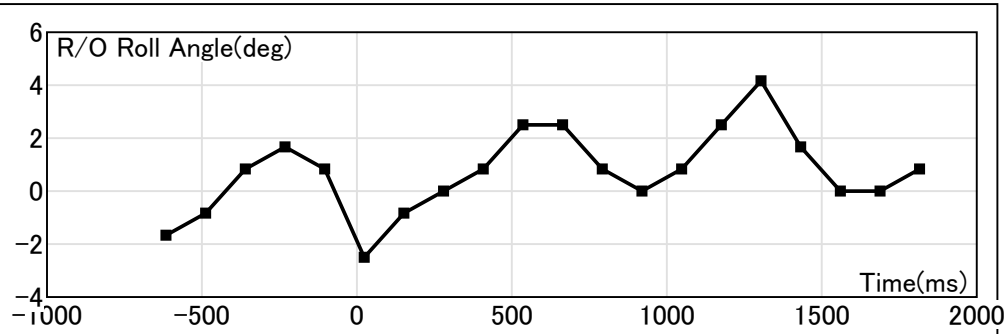
Roll Over Page.0

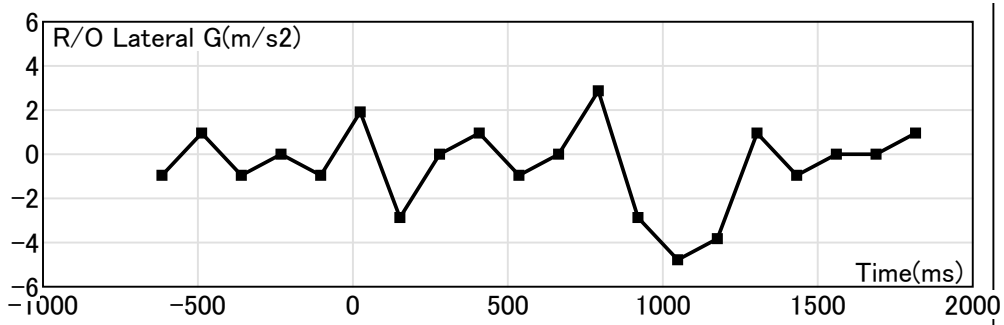
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	: [redacted]10
Vehicle	: [redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 24(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 4.7(deg)
Crash Mode	: NonCrashData
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: NotFired
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
−616	−1.7	−1.0
−488	−0.8	1.0
−360	0.8	−1.0
−232	1.7	0.0
−104	0.8	−1.0
24	−2.5	1.9
152	−0.8	−2.9
280	0.0	0.0
408	0.8	1.0
536	2.5	−1.0
664	2.5	0.0
792	0.8	2.9
920	0.0	−2.9
1048	0.8	−4.8
1176	2.5	−3.8
1304	4.2	1.0
1432	1.7	−1.0
1560	0.0	0.0
1688	0.0	0.0
1816	0.8	1.0

Case 37 Complete EDR Image

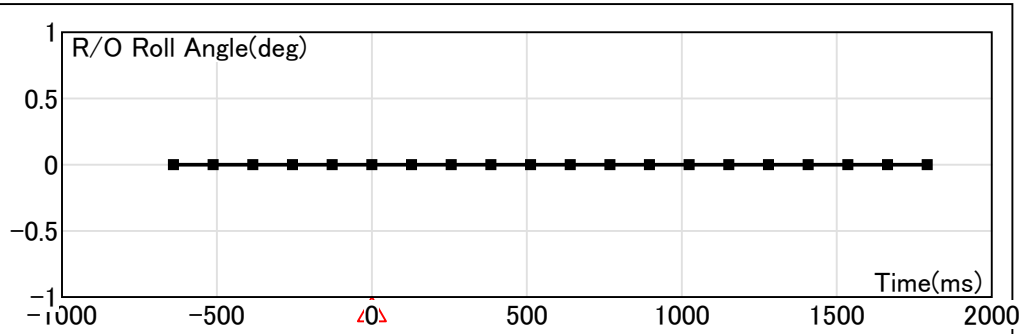
Roll Over Page.1

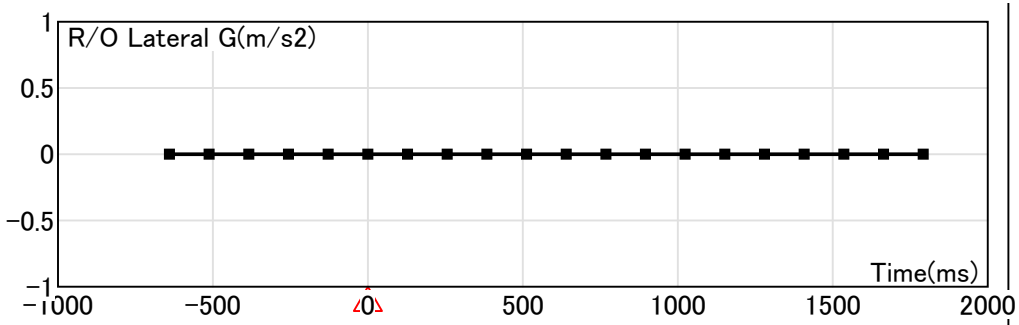
User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: JRY
Accident Date	[redacted]10
Vehicle	[redacted]Highlander
Model Year	: 2010
VIN Number	:
ECU No	: 48240
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms) △
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 38

Vehicle MY - Model: 2007 Yaris

Incident Location: Roadway

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Vehicle left the roadway; Struck a utility pole

Observation: EDR Pre-Crash Data Indicate: Constant vehicle & engine speed, low acclerator position with slight increase, all consistent with steady state highway travel; No brake application indicated

See Page 1

Case 38 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: TMS TAG
Accident Date	: [redacted] 2010
Vehicle	: YARIS
Model Year	: 2007
VIN Number	: JTDJT923775[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 52690
COMMTYPE	: SIL(ISO9141)

System Information

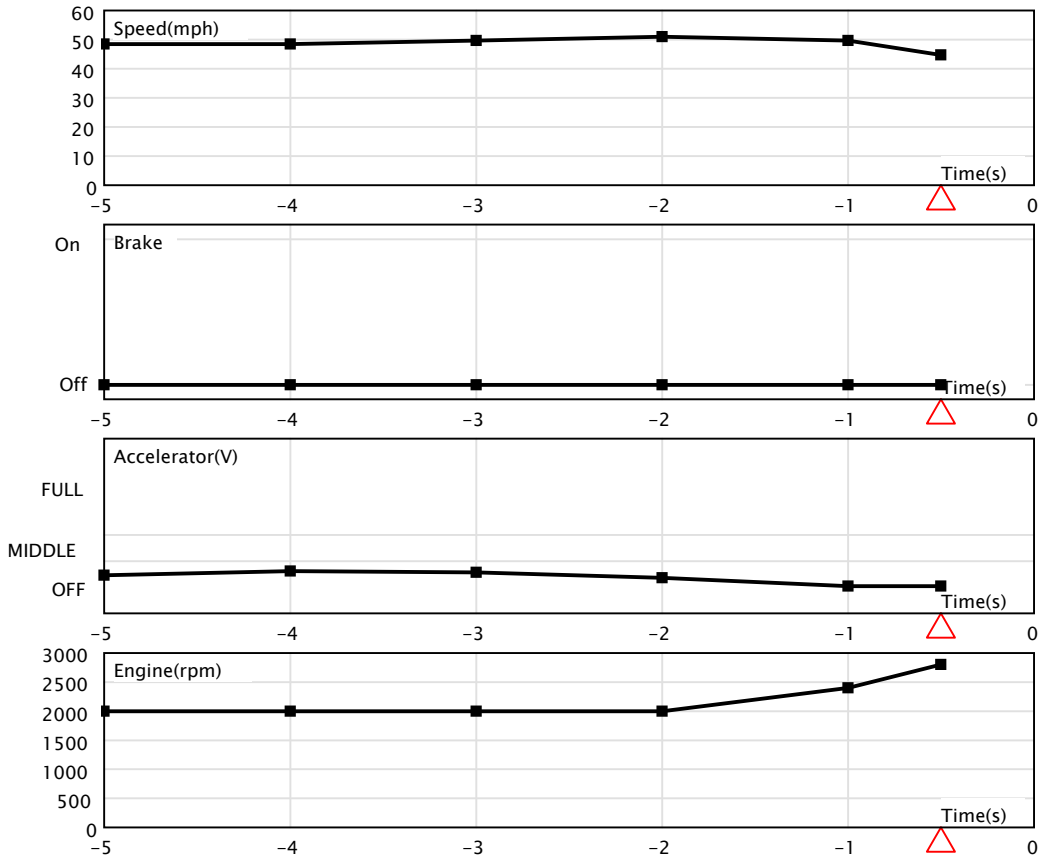
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	48.5	48.5	49.7	51.0	49.7	44.7(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.09	1.21	1.17	1.02	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	2000	2000	2000	2000	2400	2800(rpm)

Time from Last PreCrash Data : 500(ms)

Case 38 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

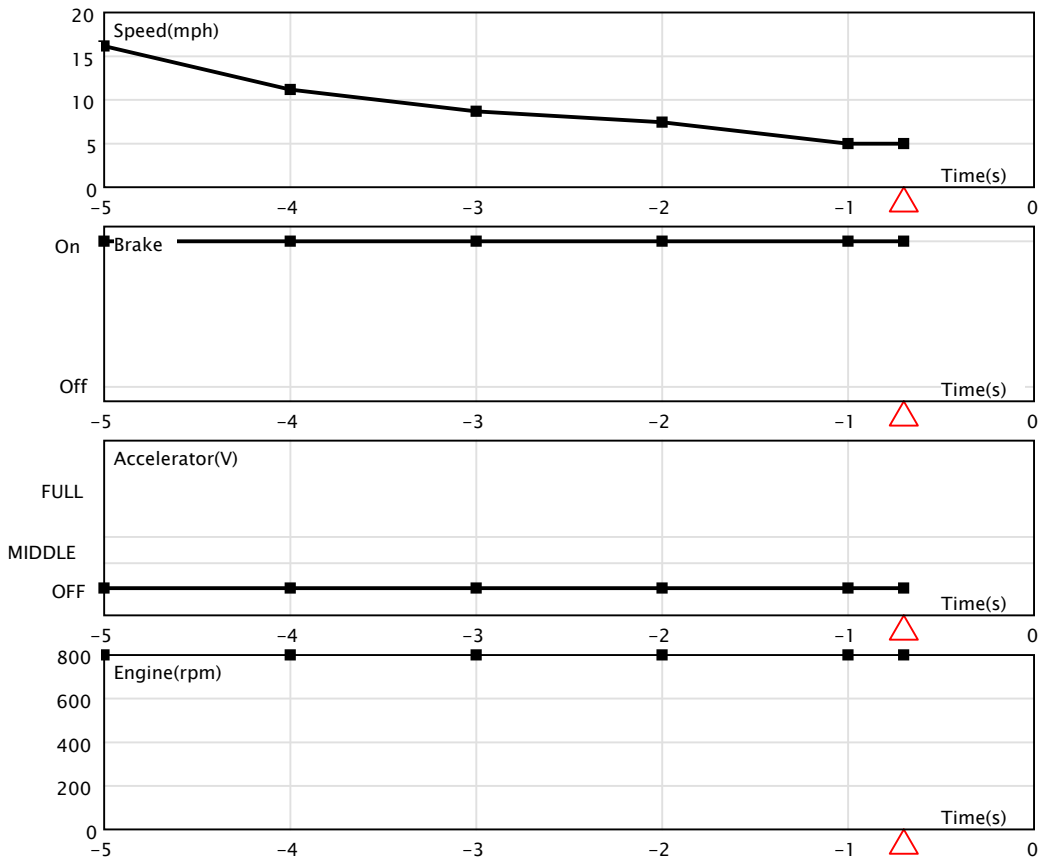
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: TMS TAG
Accident Date	: [redacted] 2010
Vehicle	: YARIS
Model Year	: 2007
VIN Number	: JTDJT923775[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 52690
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0
	0 0 0 0
	0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	16.2	11.2	8.7	7.5	5.0	5.0(mph)
Brake	:	ON	ON	ON	ON	ON	ON
Accelerator	:	0.78	0.78	0.78	0.78	0.78	0.78(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	800	800	800	800	800	800(rpm)

Time from Last PreCrash Data : 300(ms)

Case 38 Complete EDR Image

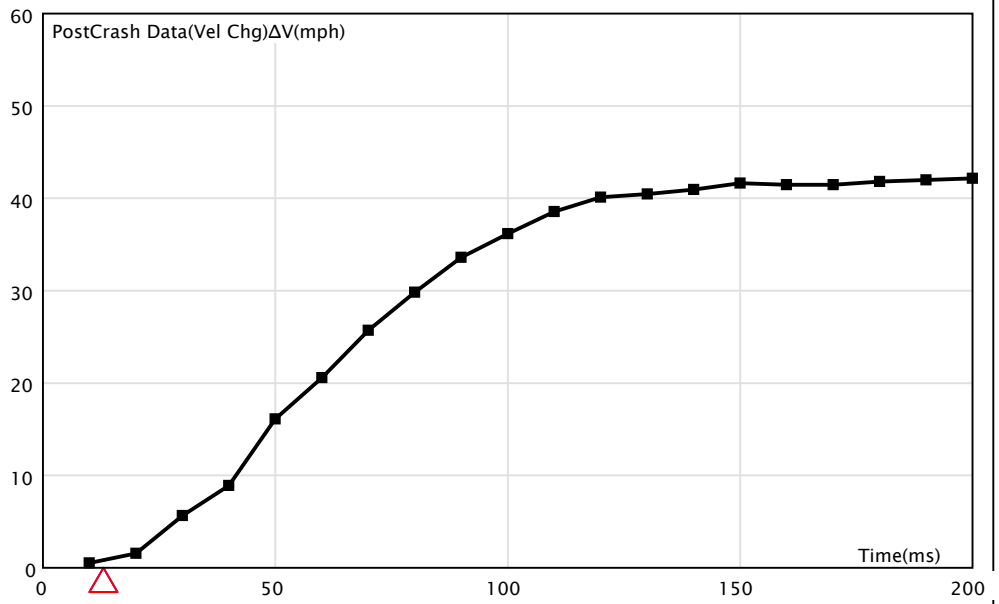
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: TMS TAG
Accident Date	: [redacted]2010
Vehicle	: YARIS
Model Year	: 2007
VIN Number	: JTDJT923775[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 52690
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx	: 42.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 13(ms)
Pretensioner Deployment Time	: 13(ms)
Deployment Stage Driver	: High
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	1.5
30	5.7
40	8.9
50	16.1
60	20.6
70	25.7
80	29.8
90	33.6
100	36.2
110	38.6
120	40.1
130	40.5
140	41.0
150	41.7
160	41.5
170	41.5
180	41.8
190	42.0
200	42.2

Case 38 Complete EDR Image

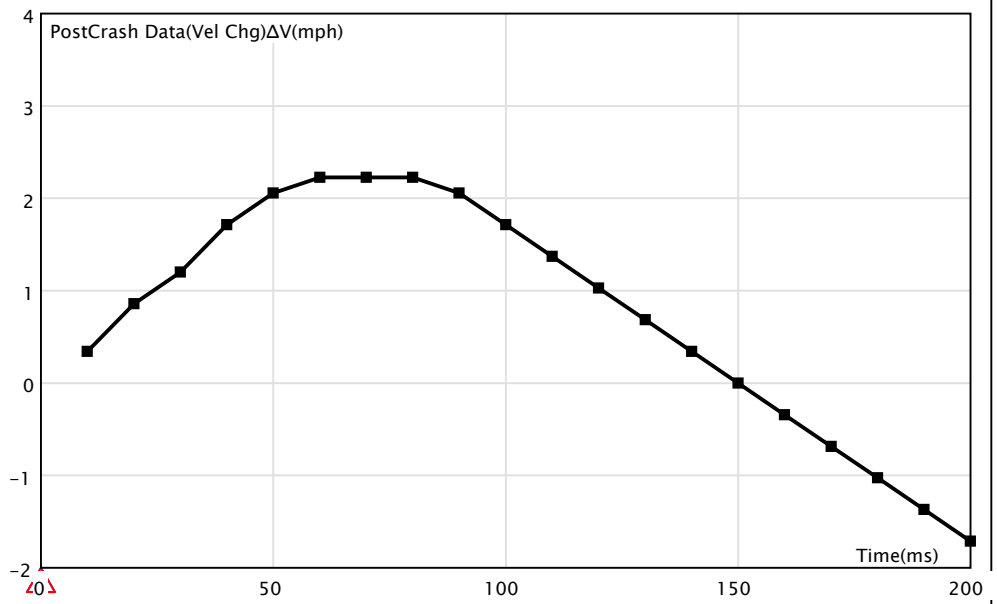
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: TMS TAG
Accident Date	[redacted]2010
Vehicle	: YARIS
Model Year	: 2007
VIN Number	: JTDJT923775[redacted]
Tool Version(download)	: Ver.1.3.1.3
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 52690
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx	: 2.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.3
20	0.9
30	1.2
40	1.7
50	2.1
60	2.2
70	2.2
80	2.2
90	2.1
100	1.7
110	1.4
120	1.0
130	0.7
140	0.3
150	0.0
160	−0.3
170	−0.7
180	−1.0
190	−1.4
200	−1.7

Case 39

Vehicle MY - Model: 2010 RAV4

Incident Location: Parking Space

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Pulling into parking spot; Intrusion into building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 39 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

System Information

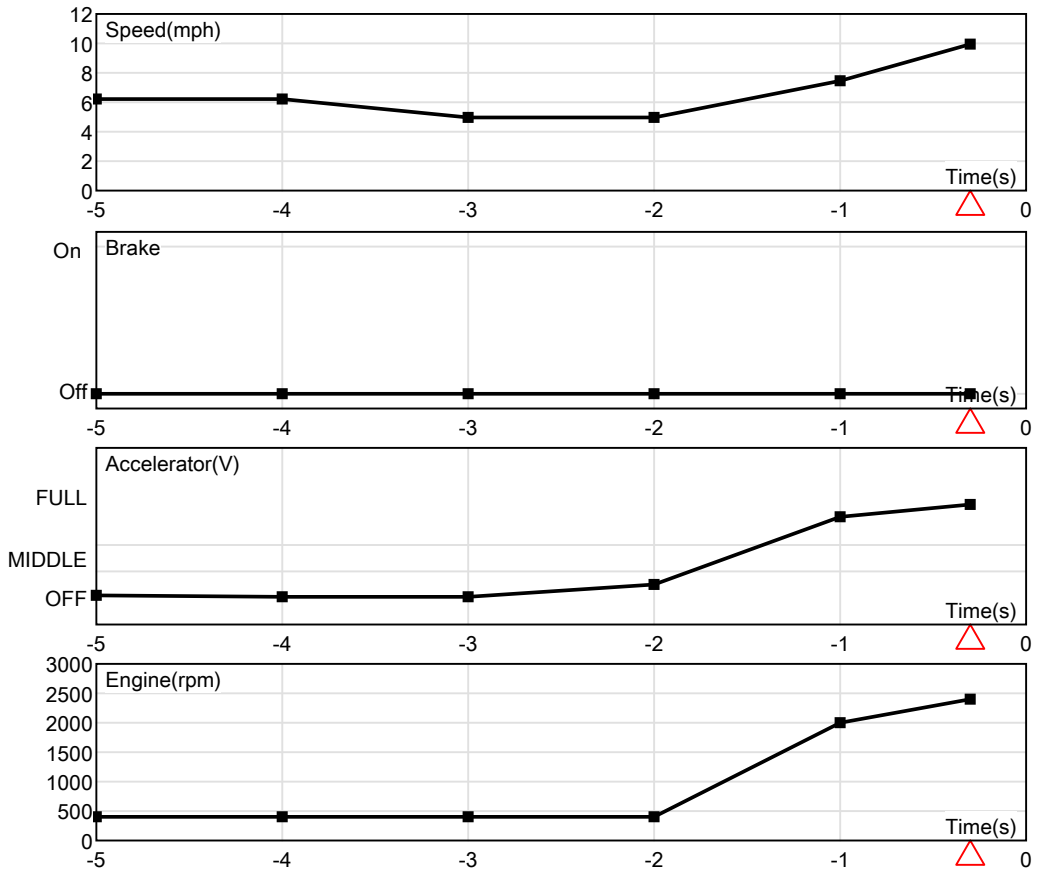
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	6.2	6.2	5.0	5.0	7.5	9.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.82	0.78	0.78	1.13	3.05	3.40(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	400	400	400	400	2000	2400(rpm)

Time from Last PreCrash Data : 700(ms)

Case 39 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

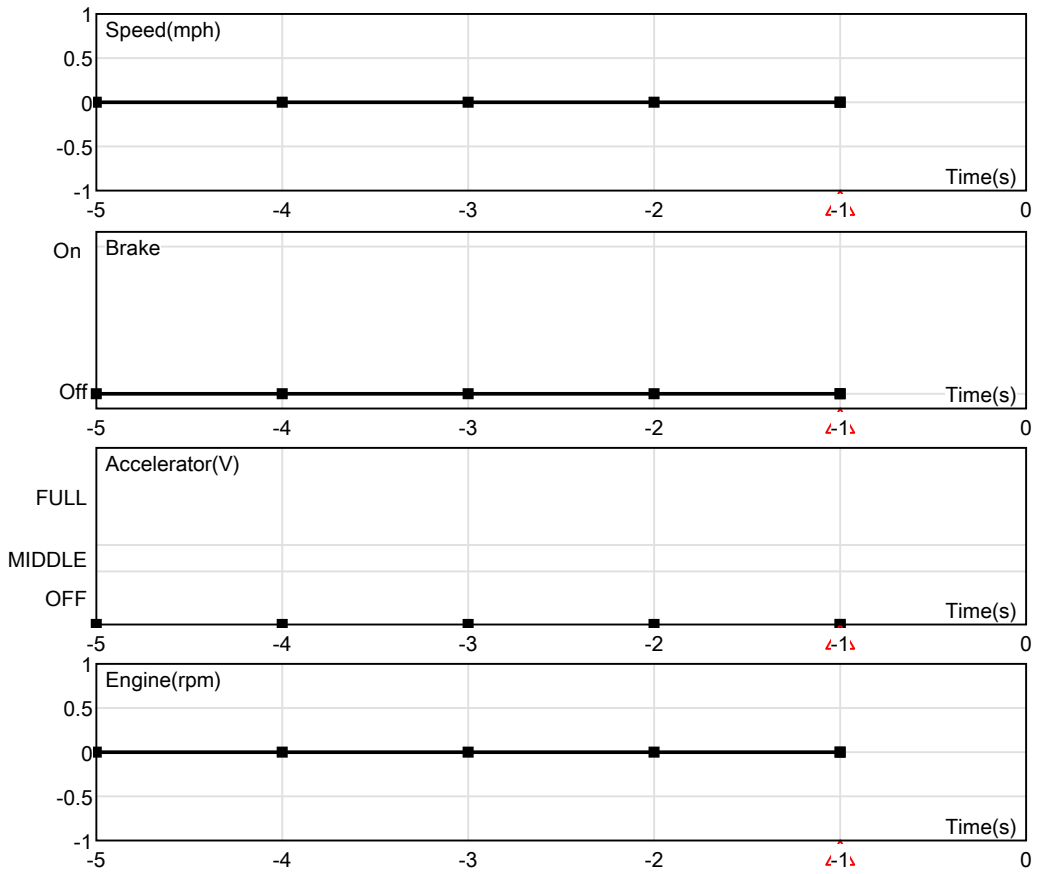
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 39 Complete EDR Image

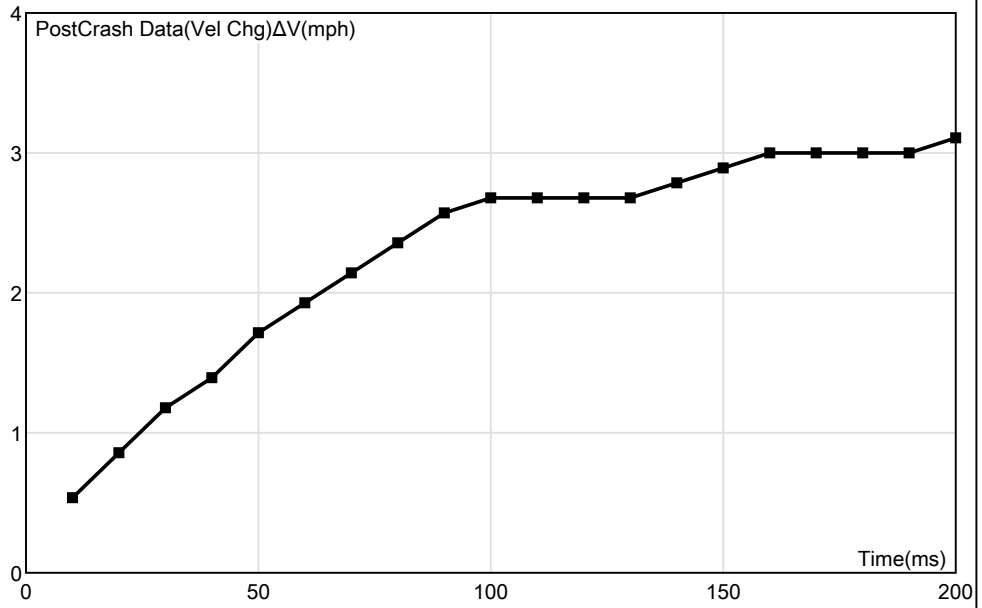
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 1.5(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 14(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	0.9
30	1.2
40	1.4
50	1.7
60	1.9
70	2.1
80	2.4
90	2.6
100	2.7
110	2.7
120	2.7
130	2.7
140	2.8
150	2.9
160	3.0
170	3.0
180	3.0
190	3.0
200	3.1

Case 39 Complete EDR Image

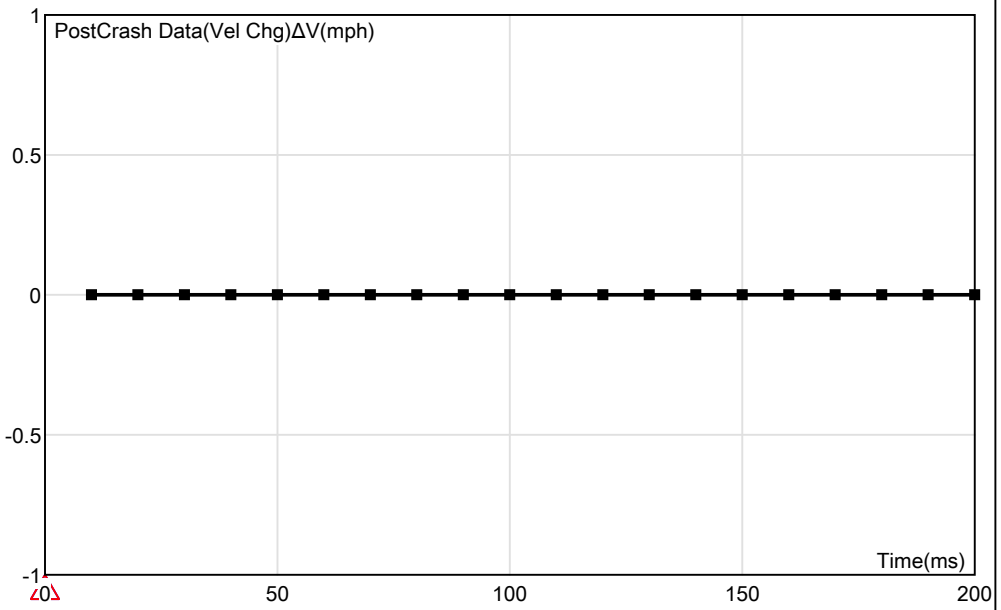
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 39 Complete EDR Image

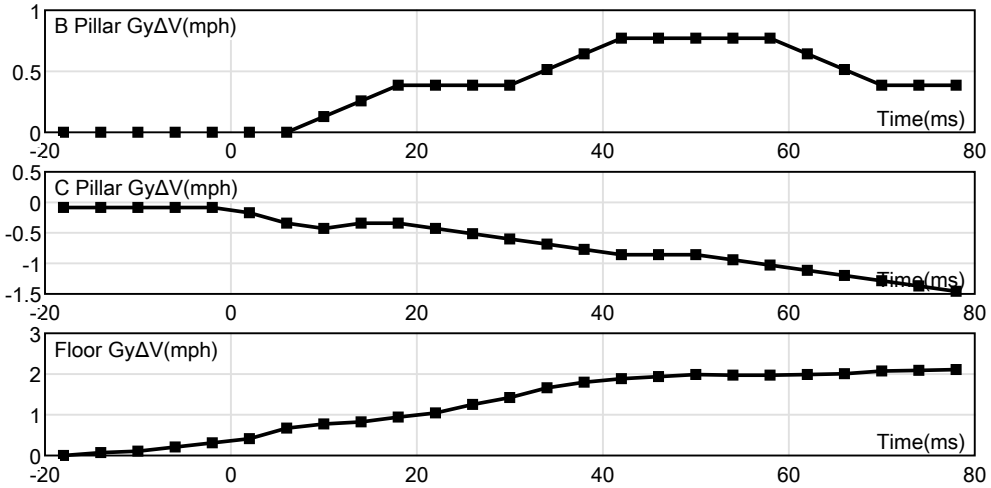
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	0.0	-0.1	0.0
-14	0.0	-0.1	0.1
-10	0.0	-0.1	0.1
-6	0.0	-0.1	0.2
-2	0.0	-0.1	0.3
2	0.0	-0.2	0.4
6	0.0	-0.3	0.7
10	0.1	-0.4	0.8
14	0.3	-0.3	0.8
18	0.4	-0.3	0.9
22	0.4	-0.4	1.0
26	0.4	-0.5	1.3
30	0.4	-0.6	1.4
34	0.5	-0.7	1.7
38	0.6	-0.8	1.8
42	0.8	-0.9	1.9
46	0.8	-0.9	1.9
50	0.8	-0.9	2.0
54	0.8	-0.9	2.0
58	0.8	-1.0	2.0
62	0.6	-1.1	2.0
66	0.5	-1.2	2.0
70	0.4	-1.3	2.1
74	0.4	-1.4	2.1
78	0.4	-1.5	2.1

Case 39 Complete EDR Image

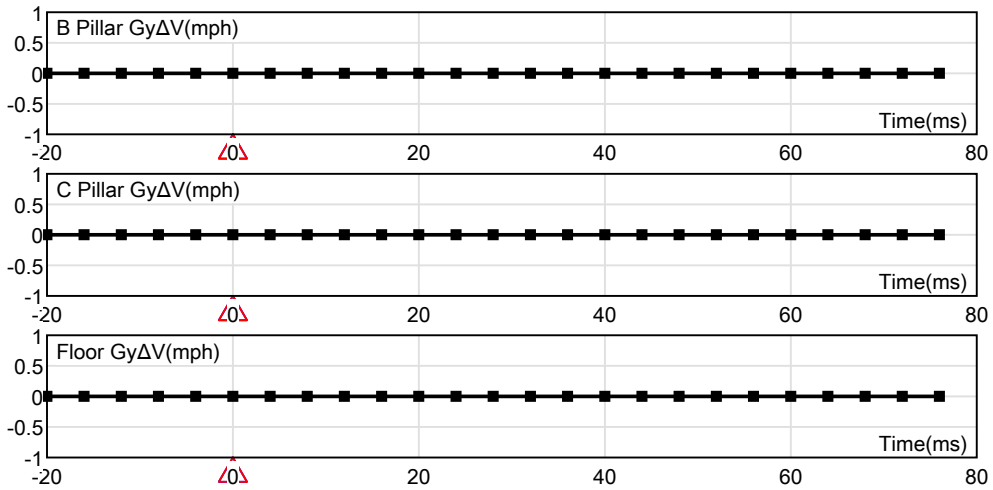
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 39 Complete EDR Image

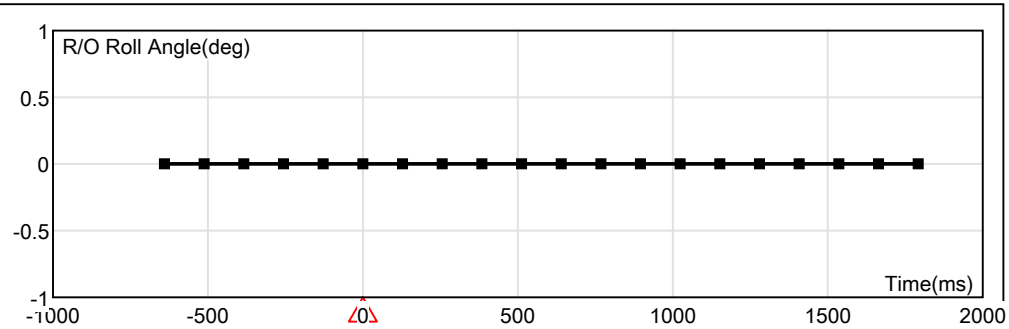
Roll Over Page.0

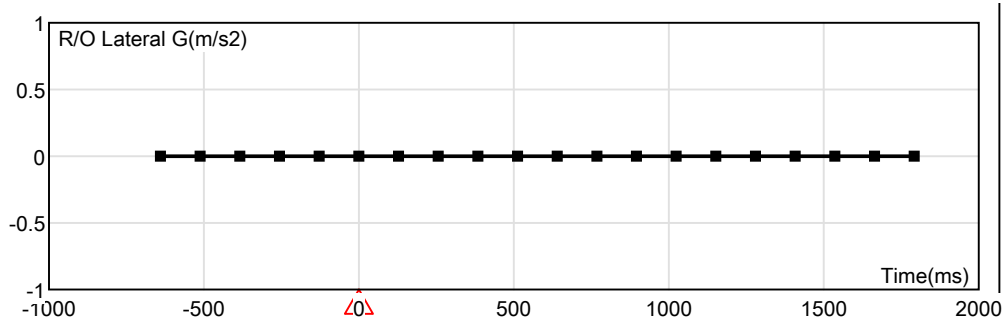
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Roll Over Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms)
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 39 Complete EDR Image

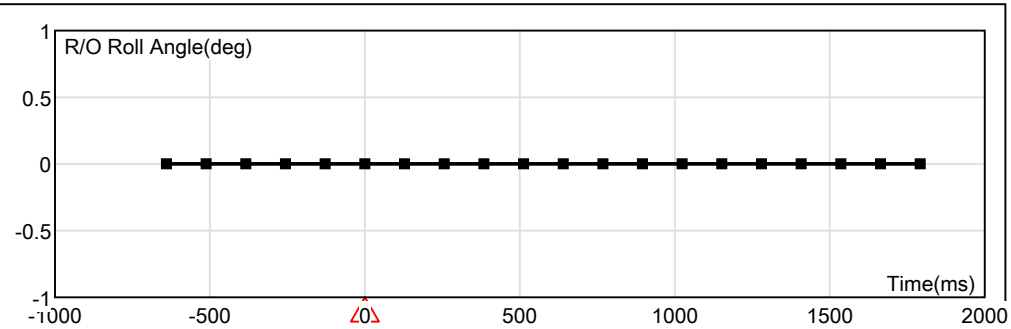
Roll Over Page.1

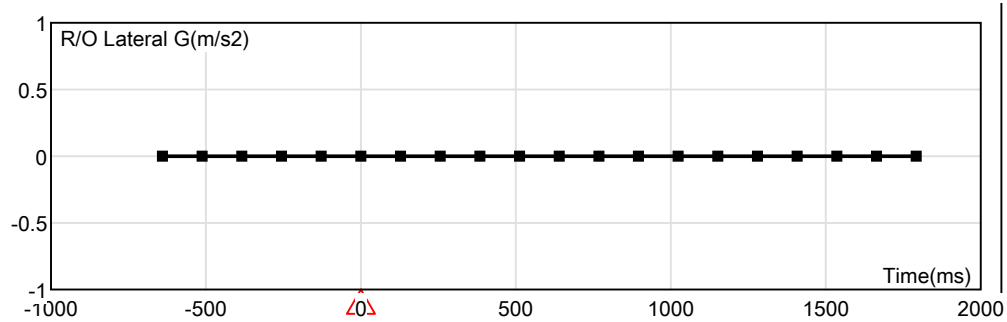
User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 0R020
COMMTYPE	: SIL(ISO9141)

Roll Over Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for R/O(RA/Gy)	: FinishedWriting
R/O RA MAX Value within 2sec. from TRG	: 0.0(deg)
Crash Mode	: NonCrashData
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Deployment Time	: 0(ms)
Writing Flag for R/O	: FinishedWriting





Post Crash Data(Vel Chg)

Time(ms)	R/O Roll Angle(deg)	R/O Lateral G(m/s2)
-640	0.0	0.0
-512	0.0	0.0
-384	0.0	0.0
-256	0.0	0.0
-128	0.0	0.0
0	0.0	0.0
128	0.0	0.0
256	0.0	0.0
384	0.0	0.0
512	0.0	0.0
640	0.0	0.0
768	0.0	0.0
896	0.0	0.0
1024	0.0	0.0
1152	0.0	0.0
1280	0.0	0.0
1408	0.0	0.0
1536	0.0	0.0
1664	0.0	0.0
1792	0.0	0.0

Case 40

Vehicle MY - Model: 2008 Camry HEV

Incident Location: Roadway

Inspection Prompted by: Complainant stated: Was on a straight and level part of the road. All of a sudden the car started to accelerate. Tried braking but the car would not stop. Ended up hitting a tree that stopped the car. After hitting the tree could not turn the car off

Incident Synopsis: Driving on straight road; Left the roadway, struck a tree

Observation: EDR Pre-Crash Data Indicate: Constant medium speed, engine rpm, low accelerator application; No brake application indicated

See Page 1

Case 40 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: LASH
Accident Date	: [redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

System Information

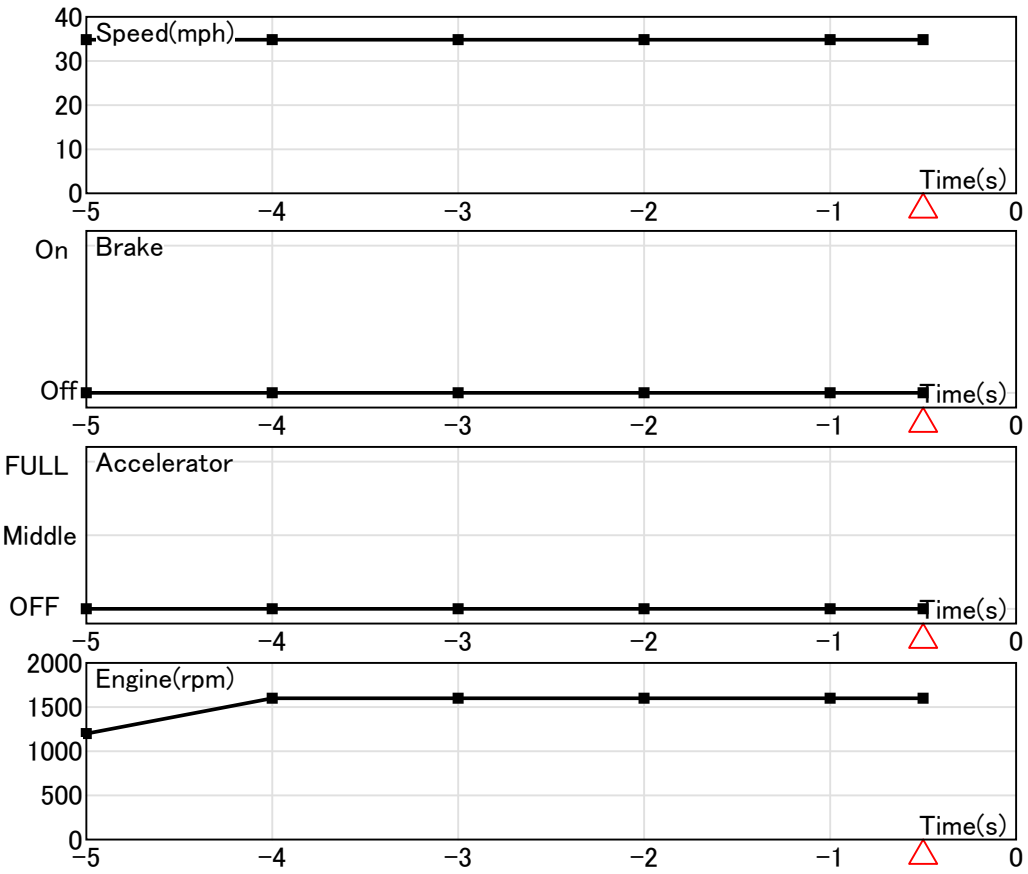
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	34.8	34.8	34.8	34.8	34.8	34.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1200	1600	1600	1600	1600	1600(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 40 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

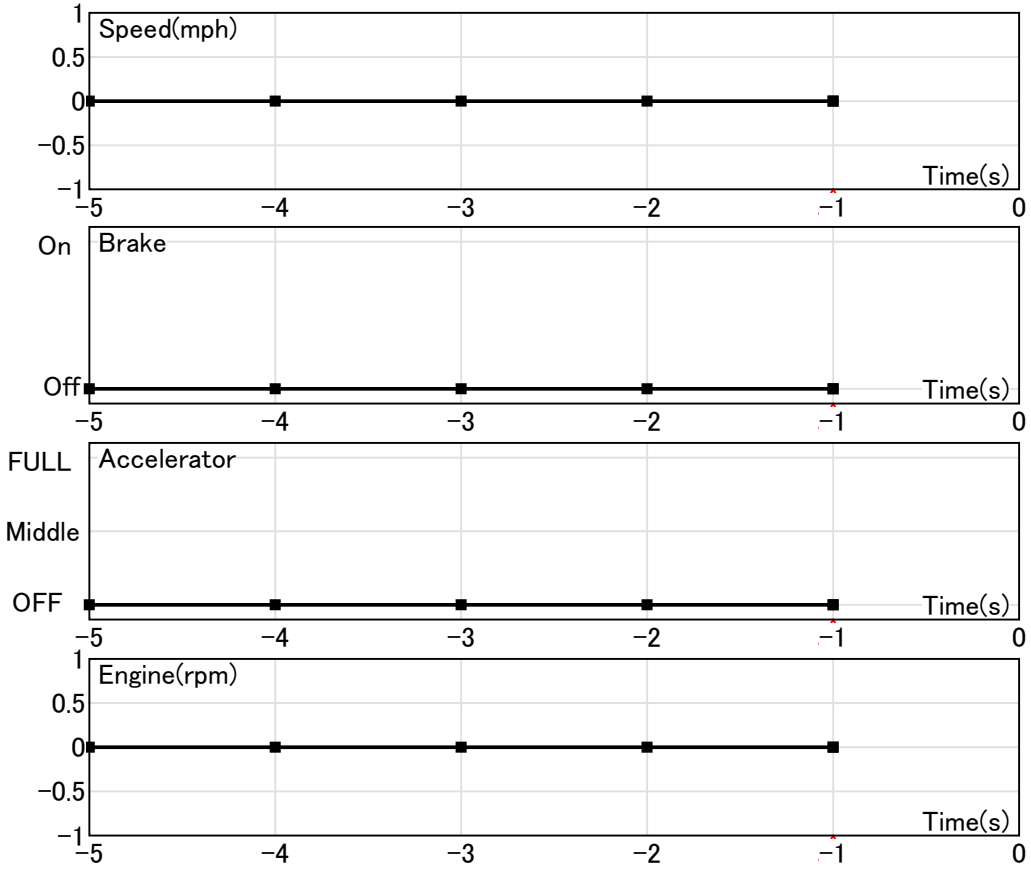
RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: LASH
Accident Date	[redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 40 Complete EDR Image

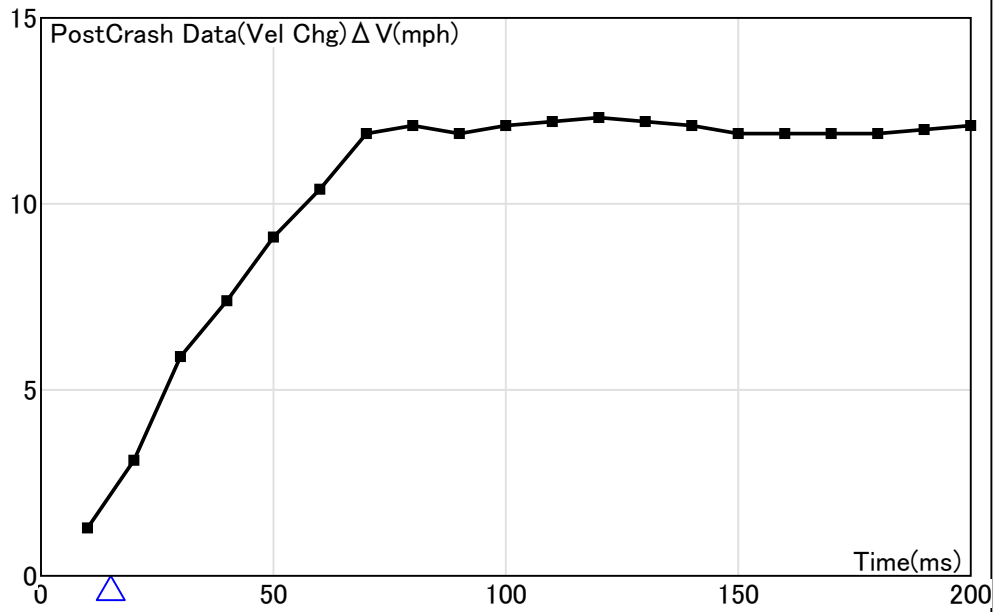
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: LASH
Accident Date	[redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 46.7(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 1(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: 15(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.3
20	3.1
30	5.9
40	7.4
50	9.1
60	10.4
70	11.9
80	12.1
90	11.9
100	12.1
110	12.2
120	12.3
130	12.2
140	12.1
150	11.9
160	11.9
170	11.9
180	11.9
190	12.0
200	12.1

Case 40 Complete EDR Image

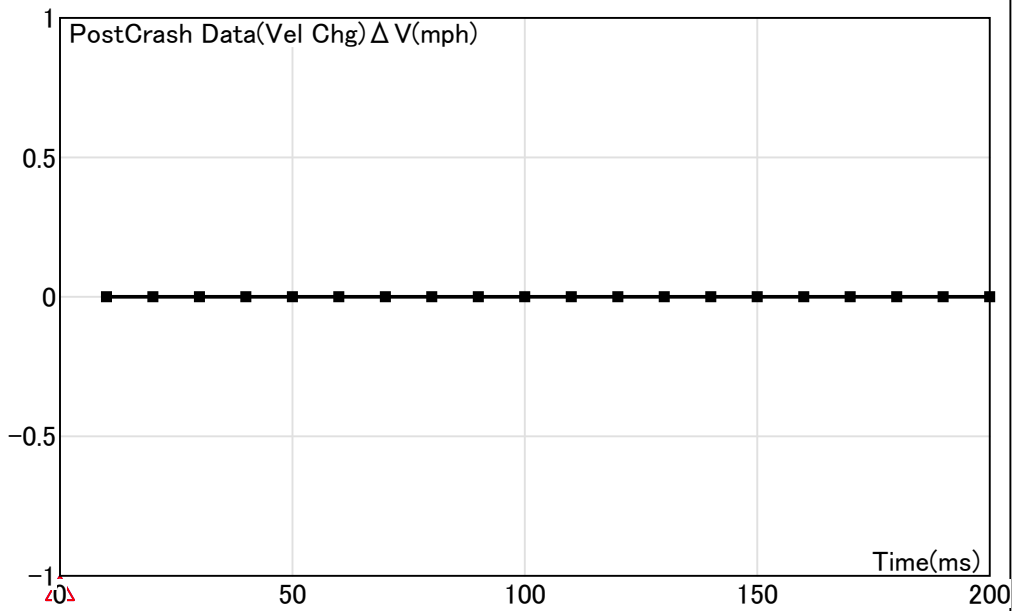
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: LASH
Accident Date	[redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 40 Complete EDR Image

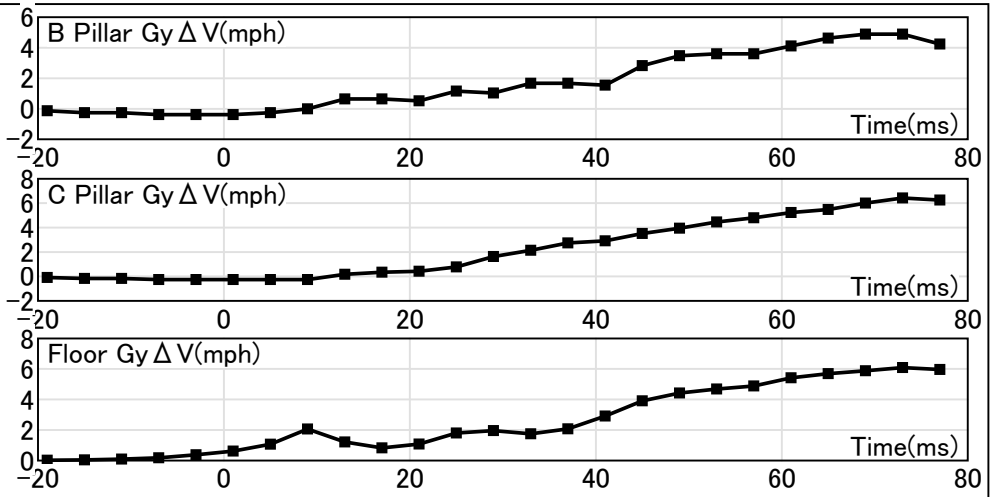
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: LASH
Accident Date	[redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	-0.1	-0.1	0.0
-15	-0.3	-0.2	0.0
-11	-0.3	-0.2	0.1
-7	-0.4	-0.3	0.2
-3	-0.4	-0.3	0.4
1	-0.4	-0.3	0.6
5	-0.3	-0.3	1.1
9	0.0	-0.3	2.1
13	0.6	0.2	1.2
17	0.6	0.3	0.8
21	0.5	0.4	1.1
25	1.2	0.8	1.8
29	1.0	1.6	2.0
33	1.7	2.1	1.7
37	1.7	2.7	2.1
41	1.5	2.9	2.9
45	2.8	3.5	3.9
49	3.5	3.9	4.4
53	3.6	4.5	4.7
57	3.6	4.8	4.9
61	4.1	5.2	5.4
65	4.6	5.5	5.7
69	4.9	6.0	5.9
73	4.9	6.4	6.1
77	4.2	6.3	6.0

Case 40 Complete EDR Image

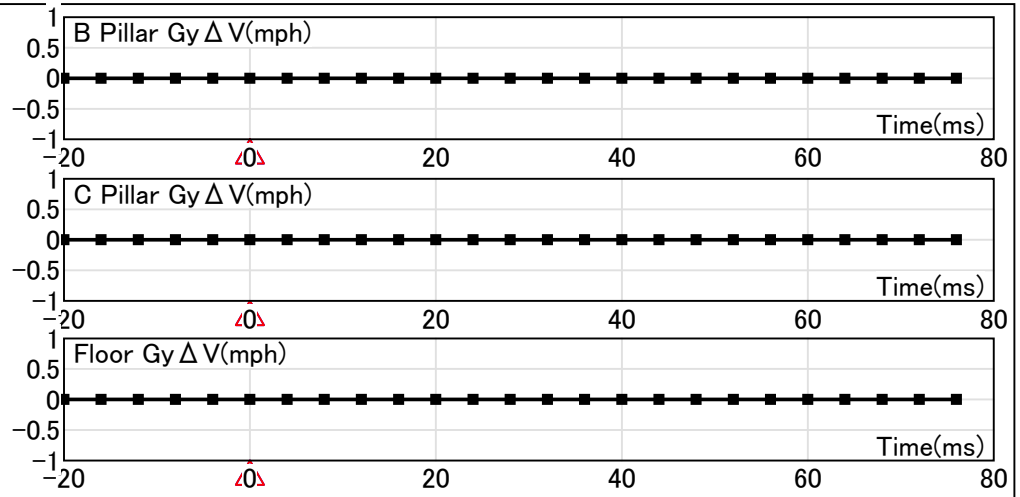
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: LASH
Accident Date	: [redacted]2010
Vehicle	: CAMRY HY
Model Year	: 2008
VIN Number	: 4T1BB46K78U[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 41

Vehicle MY - Model: 2007 Camry

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: 2007 Toyota Camry was repaired pursuant to letters from Toyota about a recall. Approximately one week after the "repair" the car accelerated into the wall of a business

Incident Synopsis: Pulled into parking space; Intrusion into building

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 41 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted]Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

System Information

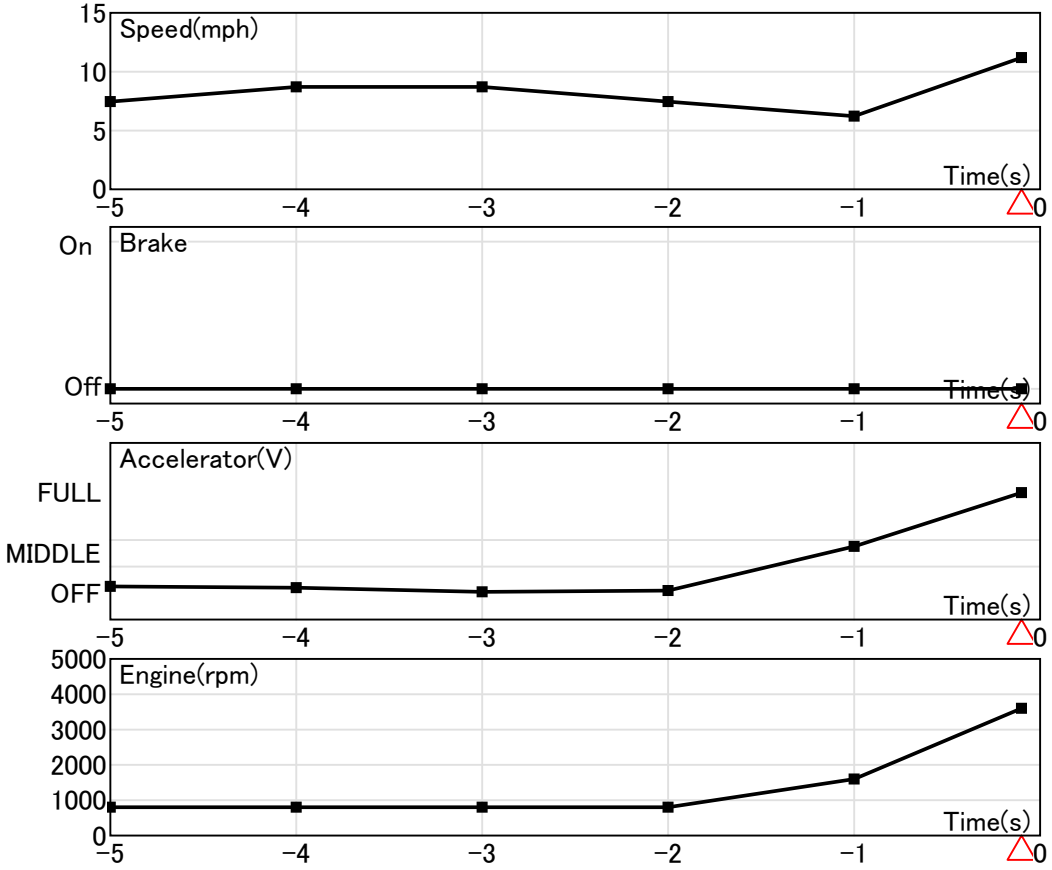
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	7.5	8.7	8.7	7.5	6.2	11.2(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.94	0.90	0.78	0.82	2.07	3.59(V)
		OFF	OFF	OFF	OFF	MIDDLE	FULL
Engine	:	800	800	800	800	1600	3600(rpm)

Time from Last PreCrash Data : 900(ms) △

Case 41 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

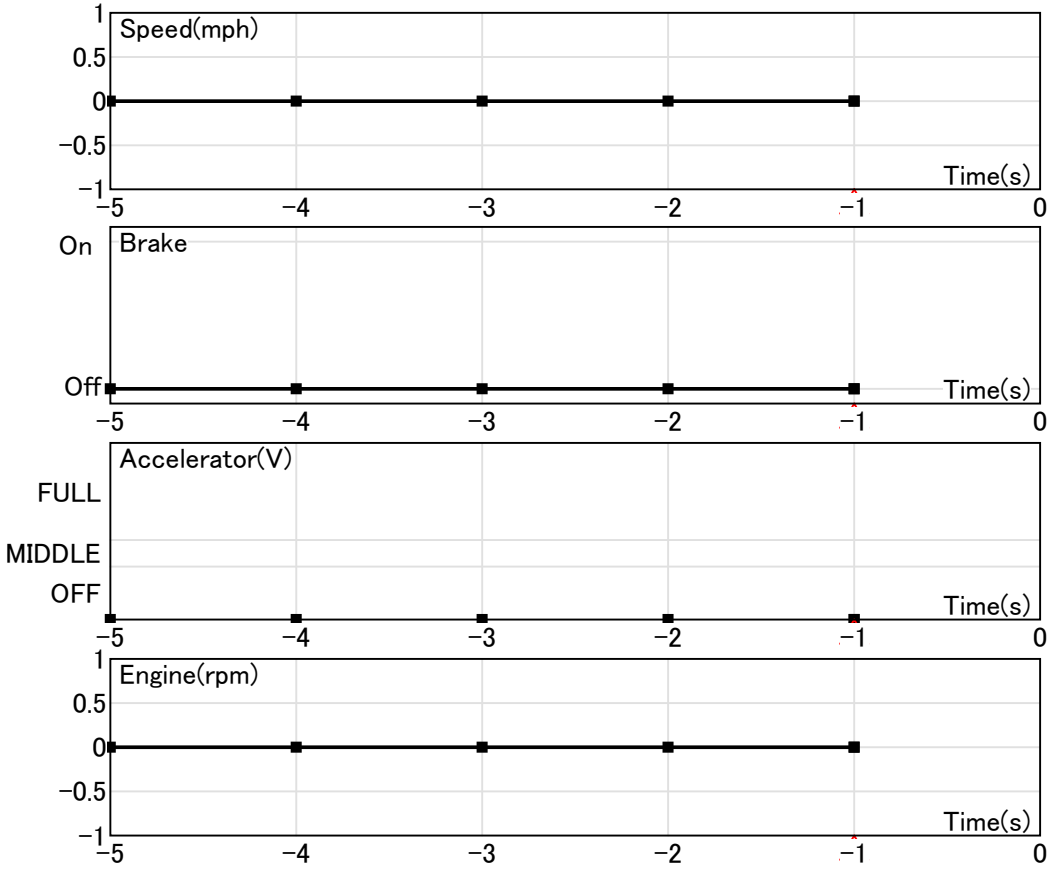
RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted] Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 41 Complete EDR Image

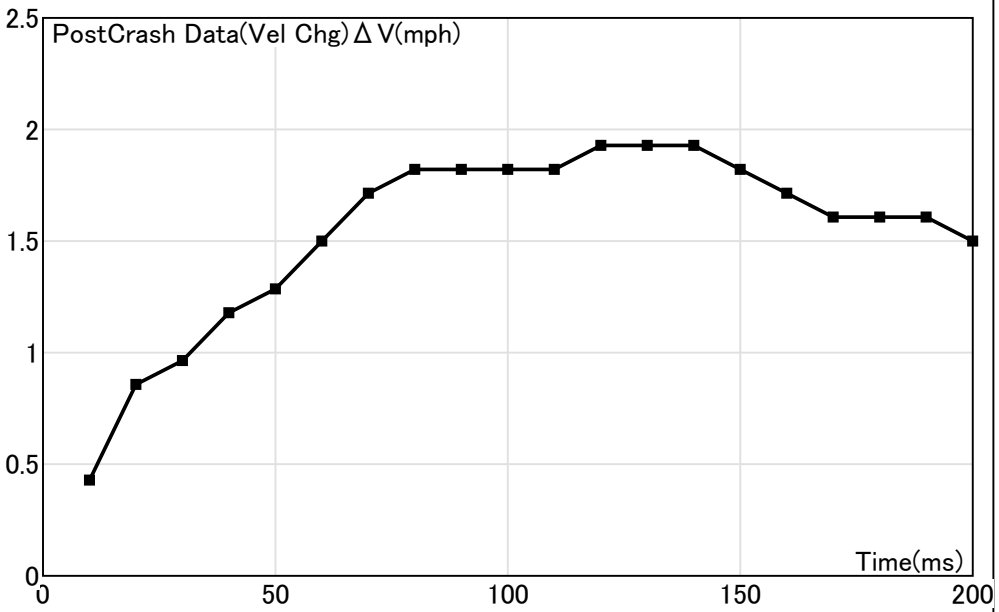
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted] Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u [redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.8(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	0.9
30	1.0
40	1.2
50	1.3
60	1.5
70	1.7
80	1.8
90	1.8
100	1.8
110	1.8
120	1.9
130	1.9
140	1.9
150	1.8
160	1.7
170	1.6
180	1.6
190	1.6
200	1.5

Case 41 Complete EDR Image

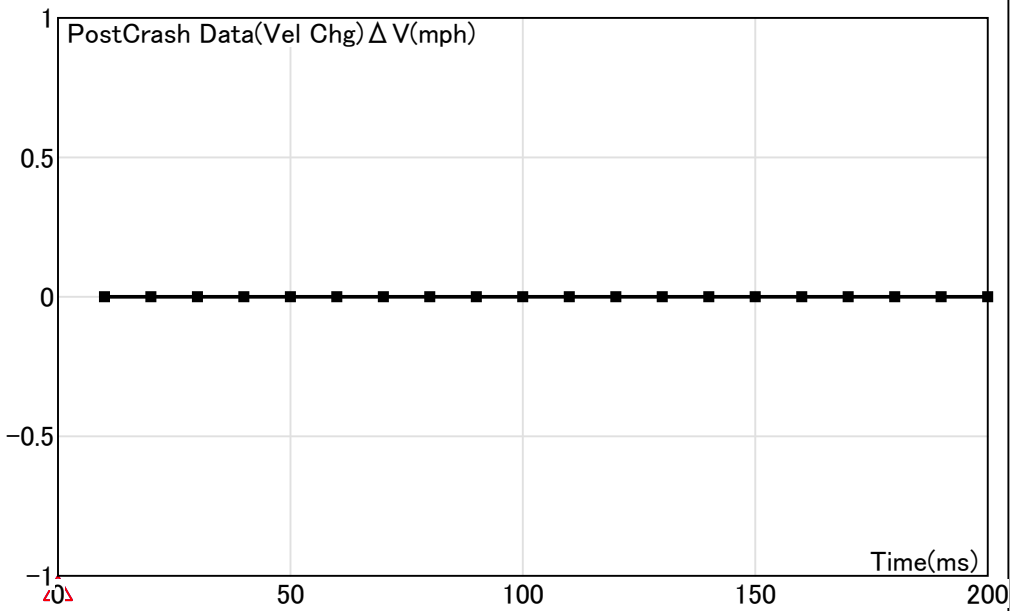
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted]Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 41 Complete EDR Image

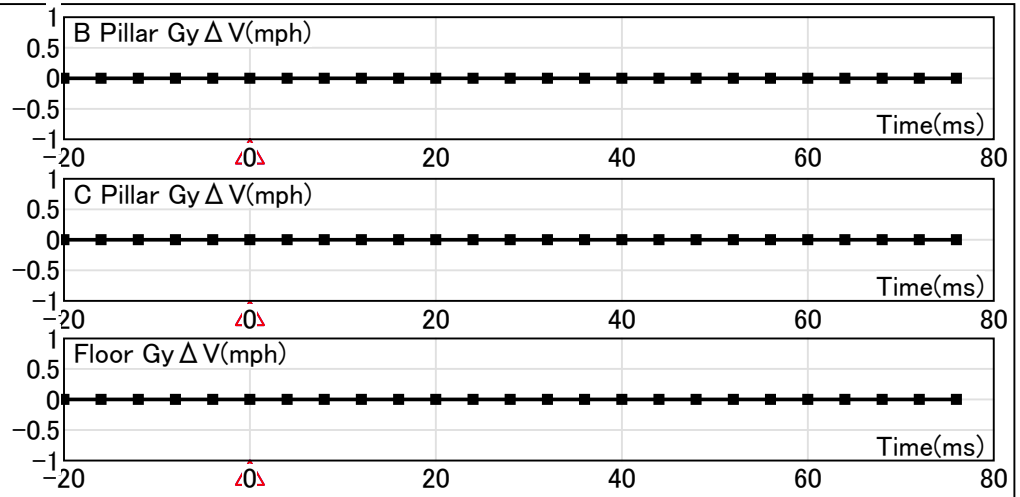
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted]Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 41 Complete EDR Image

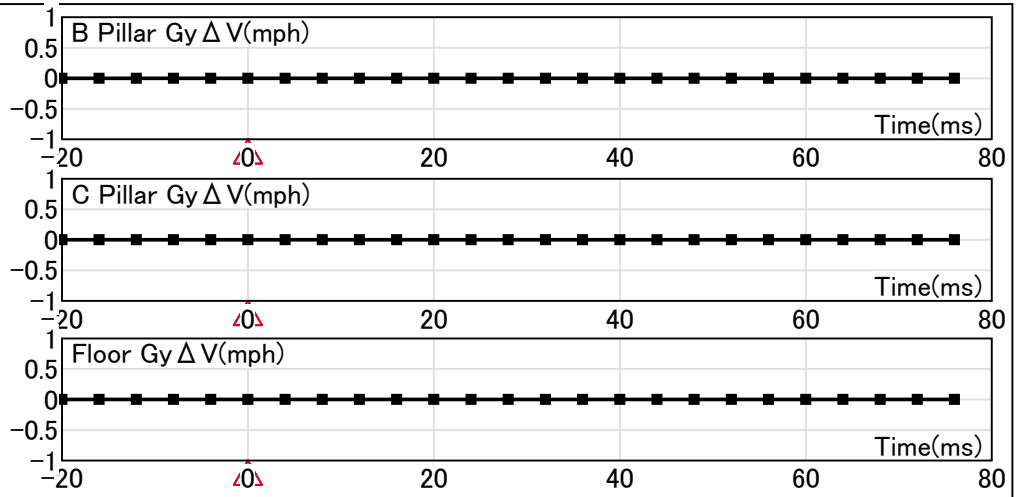
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	[redacted]2010
Investigator	: Swanson/GodfreyNHTSA
Accident Date	[redacted]2010
Vehicle	[redacted] Camry
Model Year	: 2007
VIN Number	: 4t1be46k57u[redacted]
ECU No	: 06200
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 42

Vehicle MY - Model: 2009 Camry

Incident Location: Driveway

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Entering driveway; Drove through garage door

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 42 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by aa_dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

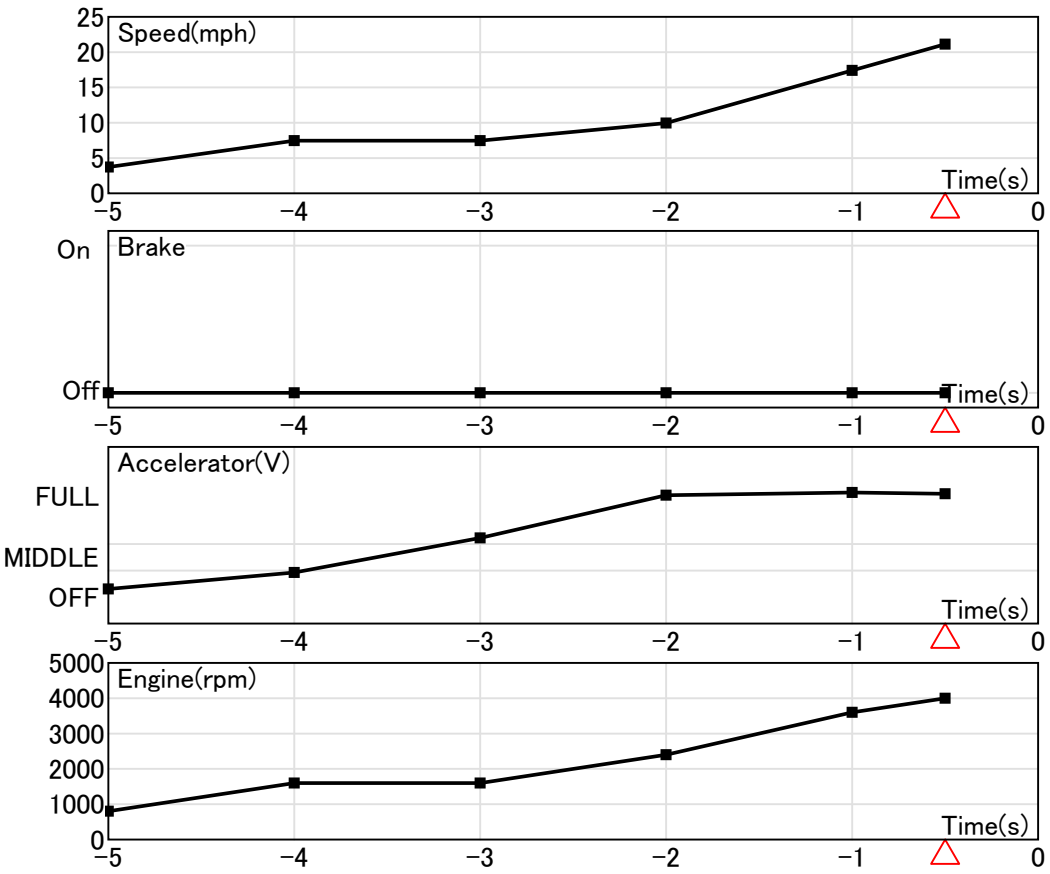
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	3.7	7.5	7.5	9.9	17.4	21.1(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.98	1.45	2.42	3.63	3.71	3.67(V)
	:	OFF	OFF	FULL	FULL	FULL	FULL
Engine	:	800	1600	1600	2400	3600	4000(rpm)

Time from Last PreCrash Data : 500(ms) △

Case 42 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

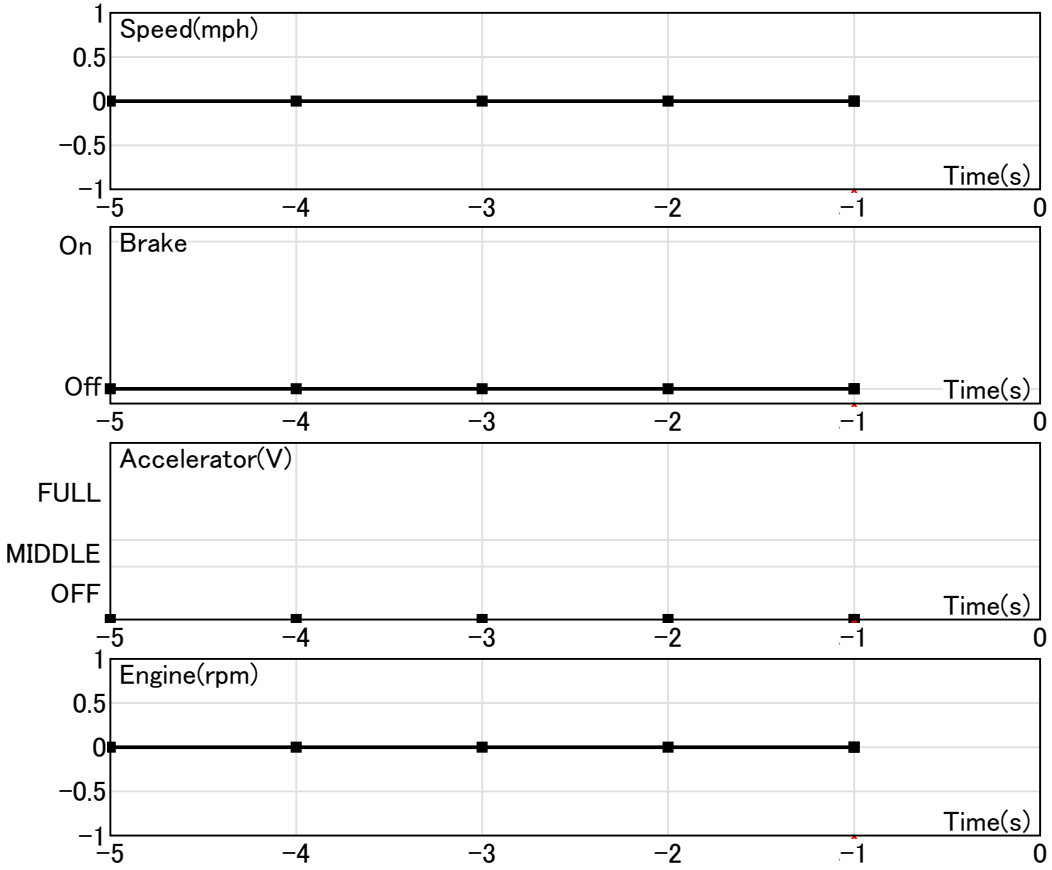
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa_dh
Accident Date	[redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 42 Complete EDR Image

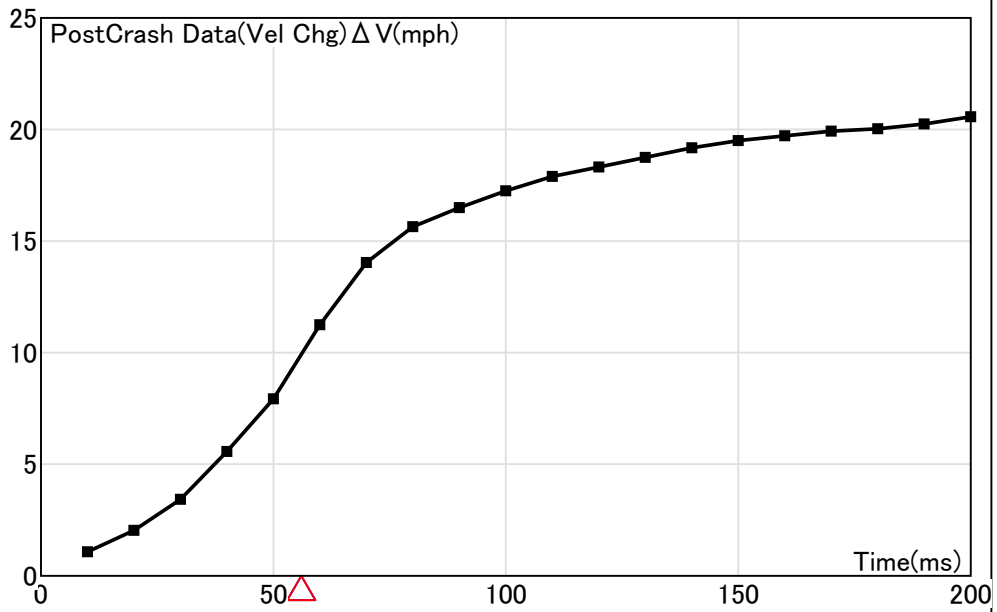
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by aa_dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 15.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 56(ms) △
Pretensioner Deployment Time	: 56(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: ExLow
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.1
20	2.0
30	3.4
40	5.6
50	7.9
60	11.2
70	14.0
80	15.6
90	16.5
100	17.2
110	17.9
120	18.3
130	18.7
140	19.2
150	19.5
160	19.7
170	19.9
180	20.0
190	20.2
200	20.6

Case 42 Complete EDR Image

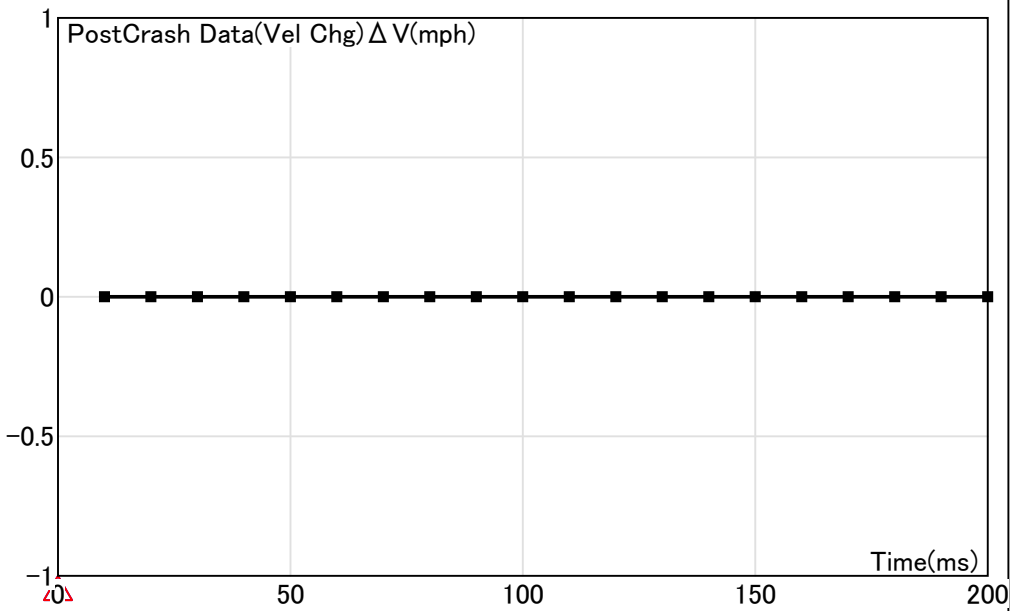
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by aa_dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 42 Complete EDR Image

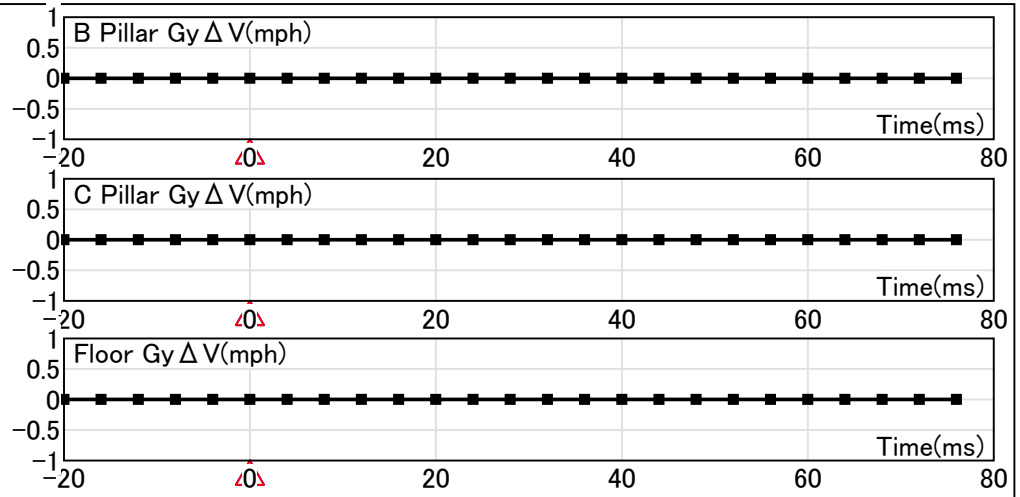
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by aa_dh
Accident Date	: [redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 42 Complete EDR Image

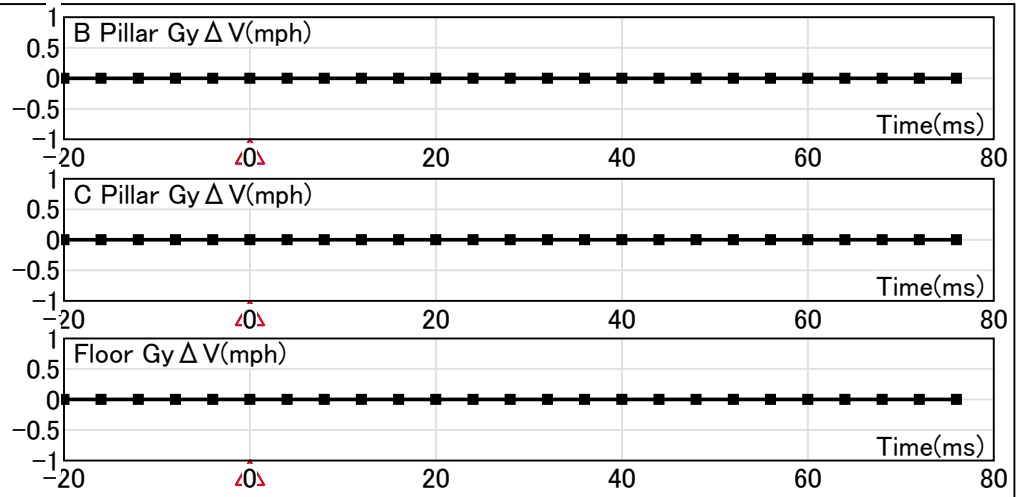
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: by_aa_dh
Accident Date	[redacted]2010
Vehicle	: [redacted]camry
Model Year	: 2009
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 43

Vehicle MY - Model: 2004 Sienna

Incident Location: Roadway / Intersection

Inspection Prompted by: Complainant stated: I arrived at a traffic light and came to a complete stop. I was standing in a traffic light with my foot on the brake. Suddenly, I felt my vehicle was attempting to move and smelled burning rubber from the right front tire. At the same time my foot was still applied firmly to the brakes and my vehicle jumped with a great force

Incident Synopsis: Rear impact of other vehicles stopped in roadway

Observation: EDR Pre-Crash Data Indicate: Constant medium speed, low engine rpm and accelerator application; No brake application indicated until within 1 sec of impact; no acceleration observed

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 43 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Willard / Freeman
ACCIDENT DATE	[redacted] 10
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5TDZA23C44S[redacted]

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-08060
NewPage	0 Page
Freeze Signal	Freeze
Deployment Time	28 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Hi

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 43 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Willard / Freeman
ACCIDENT DATE	[redacted] 10
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5TDZA23C44S[redacted]

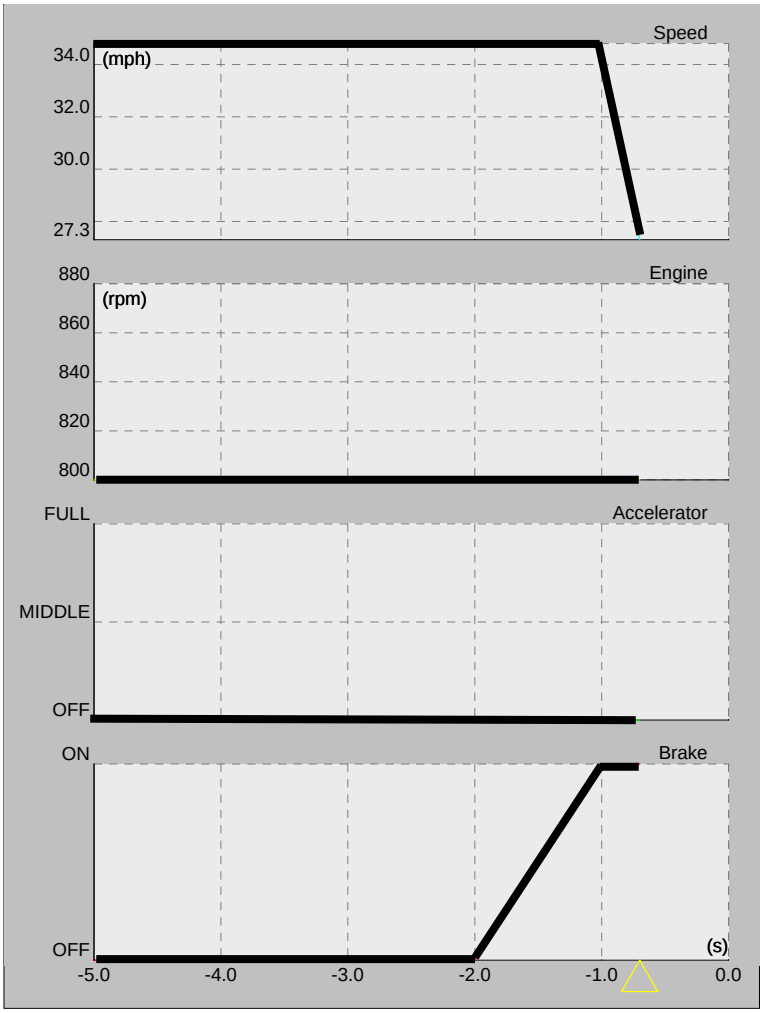
Graph Data

Latest/Frozen	BANK0
Freeze Signal	Freeze

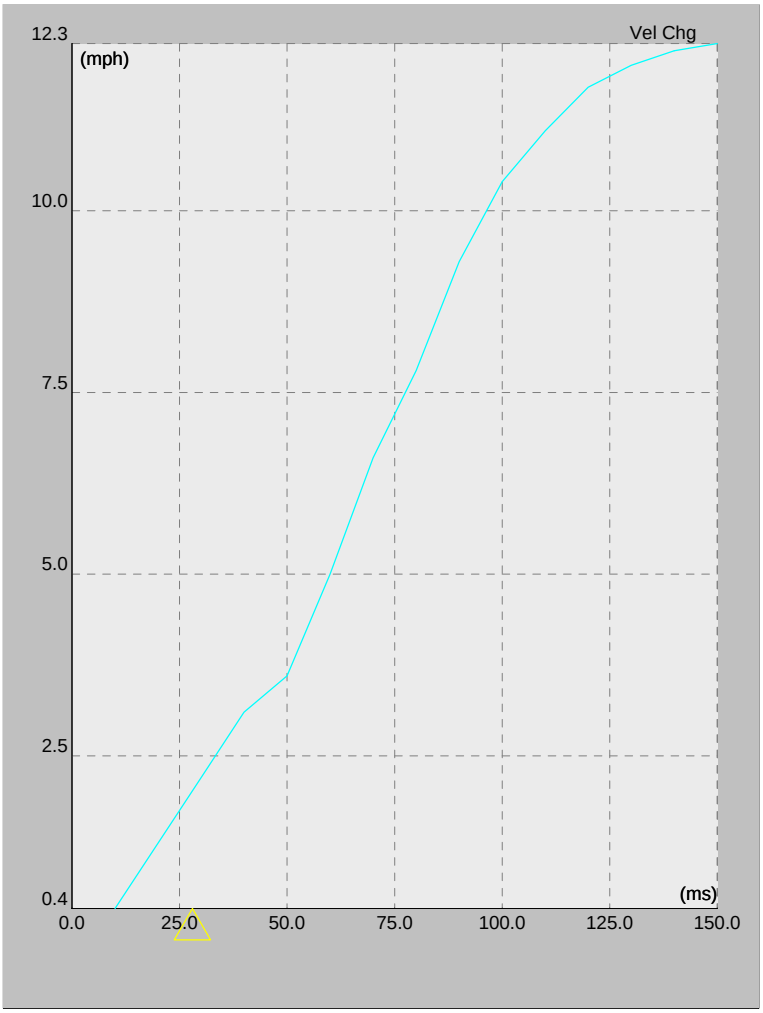
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	300 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	34.8	800	OFF	OFF	-0.7	27.3	800	OFF	ON
-4.0	34.8	800	OFF	OFF					
-3.0	34.8	800	OFF	OFF					
-2.0	34.8	800	OFF	OFF					
-1.0	34.8	800	OFF	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	5.0	110.0	11.1
20.0	1.3	70.0	6.6	120.0	11.7
30.0	2.2	80.0	7.8	130.0	12.0
40.0	3.1	90.0	9.3	140.0	12.2
50.0	3.6	100.0	10.4	150.0	12.3

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 43 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Willard / Freeman
ACCIDENT DATE	[redacted] 10
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5TDZA23C44S[redacted]

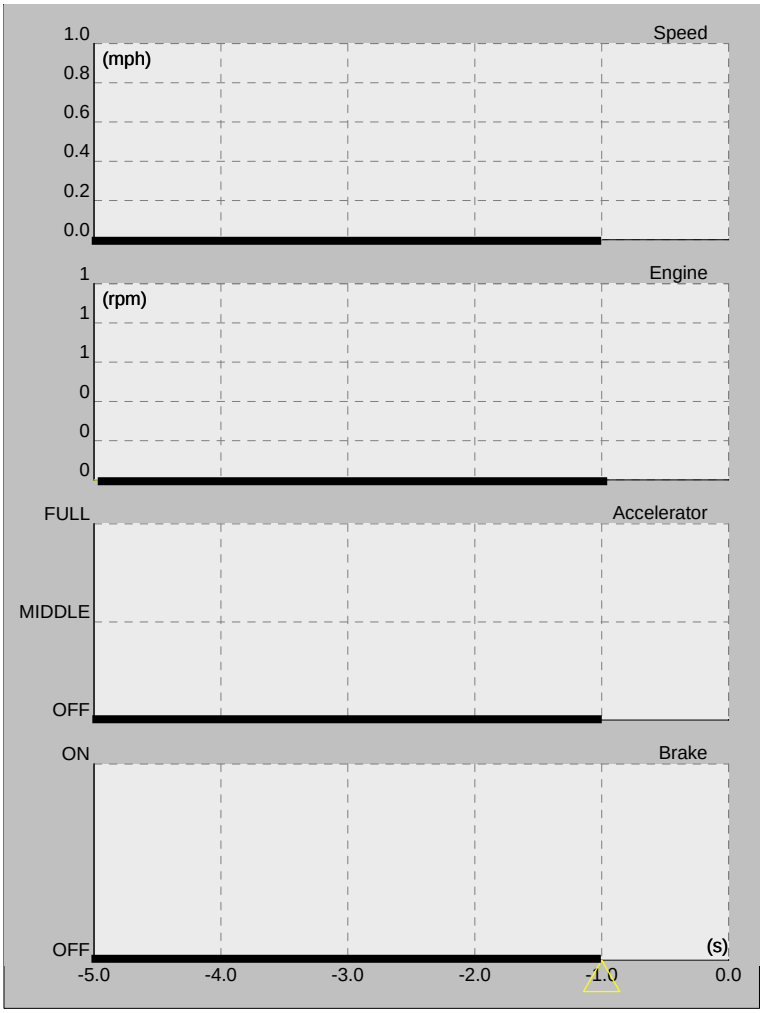
Graph Data

Next most recent	BANK1

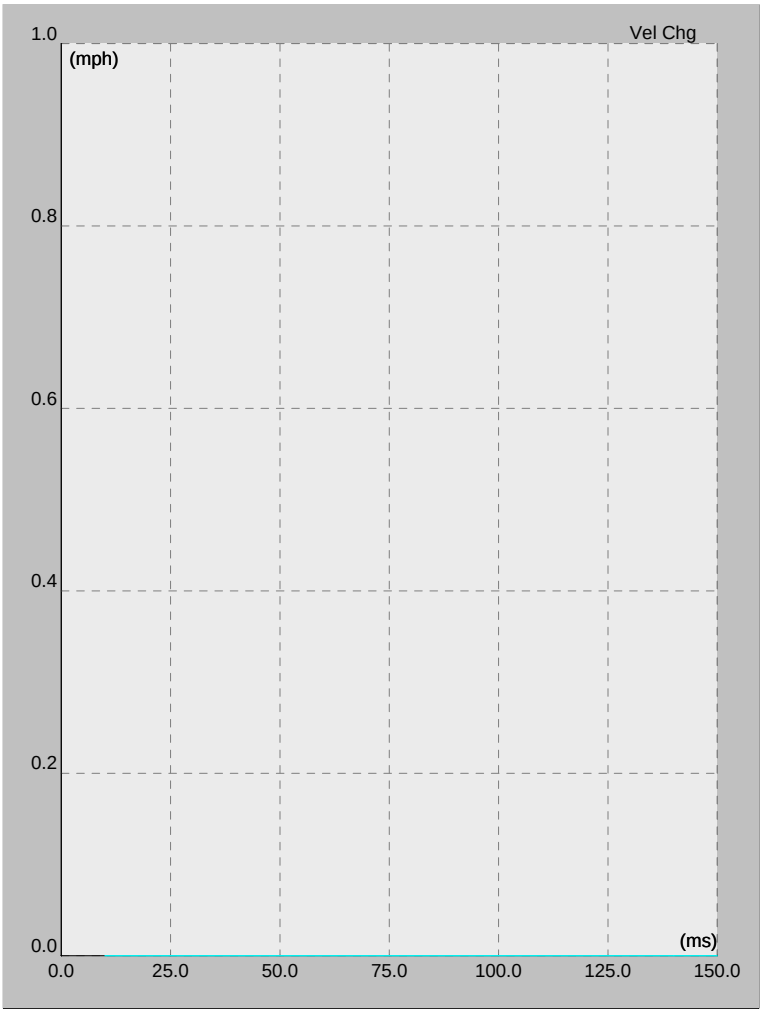
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 43 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Willard / Freeman
ACCIDENT DATE	[redacted] 10
VEHICLE	Sienna
MODEL YEAR	2004
VIN NUMBER	5TDZA23C44S[redacted]

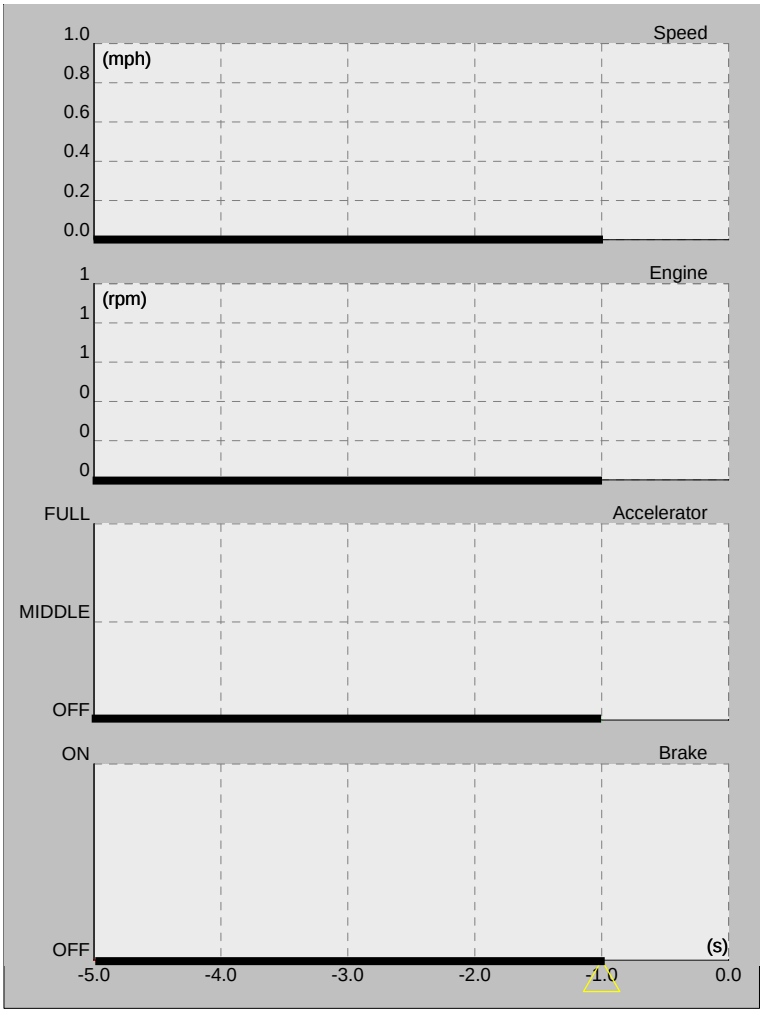
Graph Data

Past max. DeltaV	BANK2

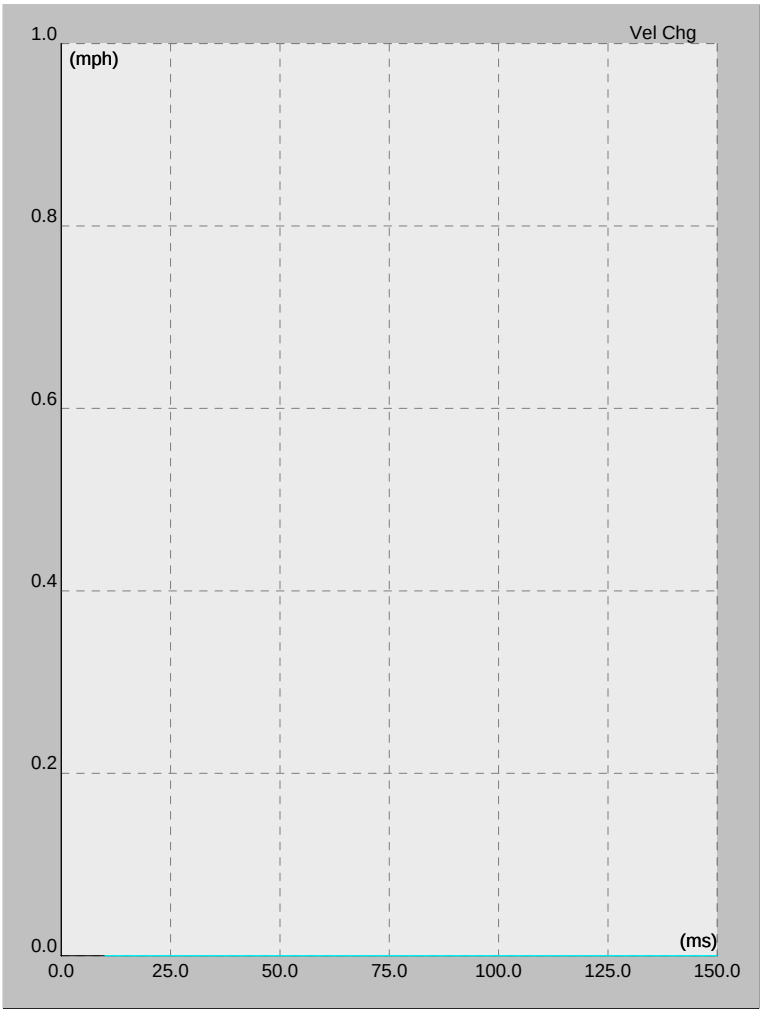
Individual Data

Data Name	Data
Time From Previous Event	0 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	N
Seat Position Driver	Not Implemented
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Not Implemented
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	0 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	OFF	OFF	-1.0	0.0	0	OFF	OFF
-4.0	0.0	0	OFF	OFF					
-3.0	0.0	0	OFF	OFF					
-2.0	0.0	0	OFF	OFF					
-1.0	0.0	0	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.0	60.0	0.0	110.0	0.0
20.0	0.0	70.0	0.0	120.0	0.0
30.0	0.0	80.0	0.0	130.0	0.0
40.0	0.0	90.0	0.0	140.0	0.0
50.0	0.0	100.0	0.0	150.0	0.0

Case 44

Vehicle MY - Model: 2009 Matrix

Incident Location: Roadway

Inspection Prompted by: Complainant stated: Was slowing down at 5mph to a stop light and depresses brakes. The vehicle accelerated and crashed into the back of a pickup truck.

Incident Synopsis: Deceleration to traffic light; Struck vehicle in traffic

Observation: EDR Pre-Crash Data Indicate: Low / medium accelerator application; modest engine rpm / acceleration; late brake application (within 1 sec of impact)

See Page 3

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 44 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-01100
Safing Left ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Left OFF	
Safing Right ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right OFF	
Discrimination Left ON	bp cpHighG cpLowG CCU1Y
Discrimination Left OFF	
Discrimination Right ON	bp cpHighG cpLowG CCU1Y
Discrimination Right OFF	
Recorded Ama Side	BothSide(error?)
Deployment judgment Side	BothSide(error?)
Deployment Enabled	ON
NewPage	1 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 44 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

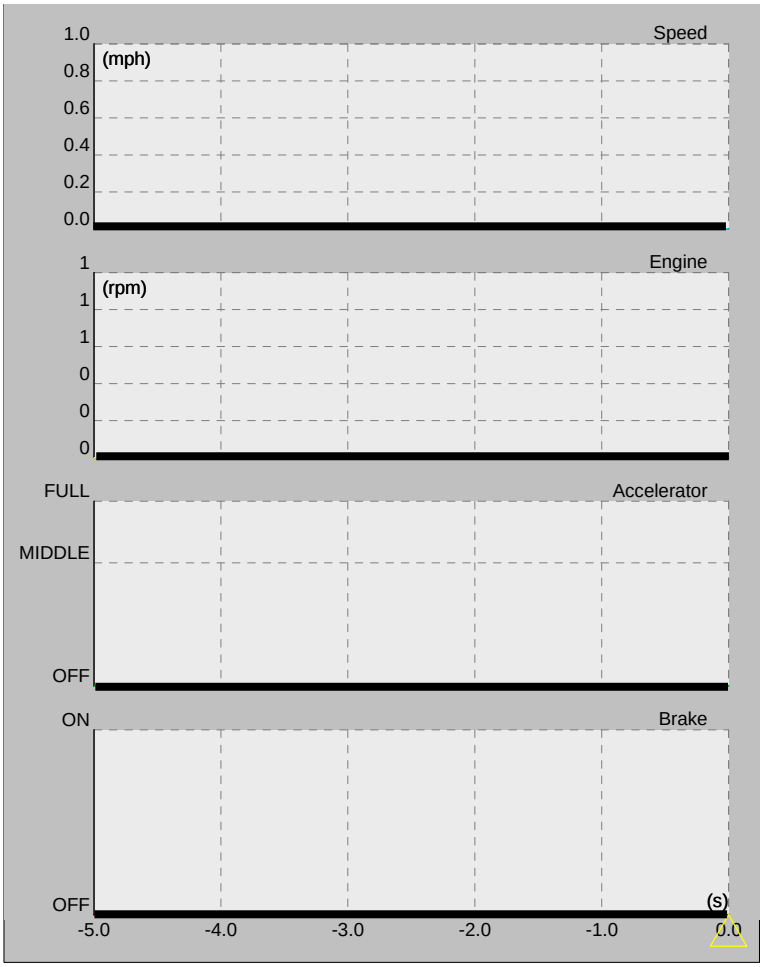
Graph Data

Latest/Frozen	BANK1

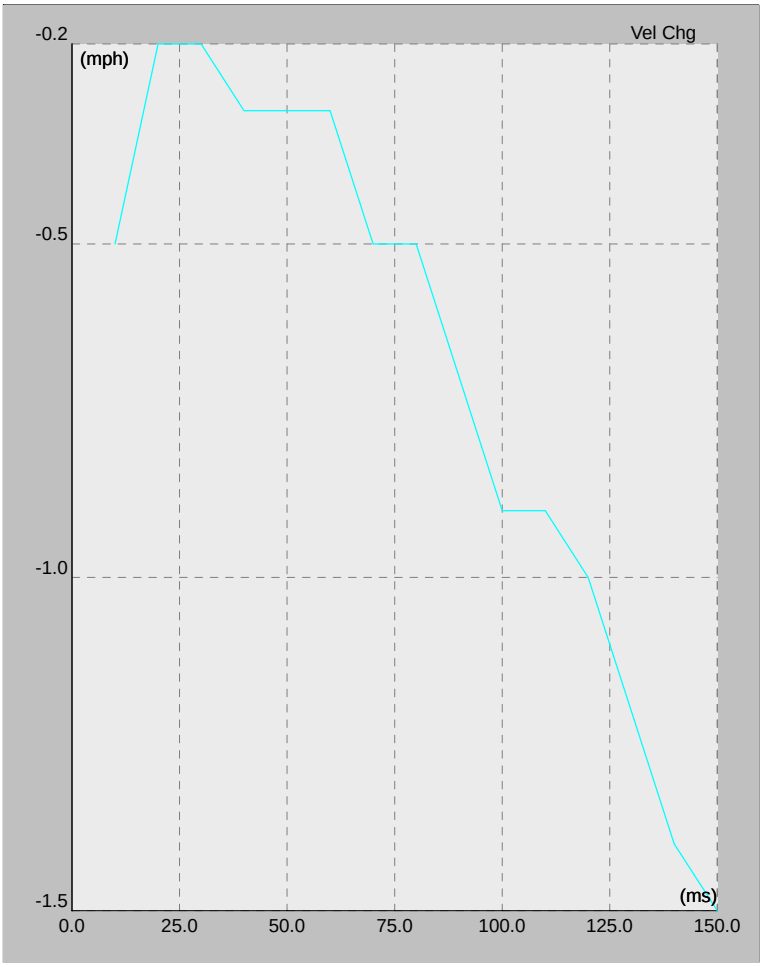
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	1000 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	Others
Seat Position Driver	FW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	4 times
Lamp On Term	15 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	2
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	0.0	0	0.00(OFF	OFF	0.0	0.0	0	0.00(OFF	OFF
-4.0	0.0	0	0.00(OFF	OFF					
-3.0	0.0	0	0.00(OFF	OFF					
-2.0	0.0	0	0.00(OFF	OFF					
-1.0	0.0	0	0.00(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.5	60.0	-0.3	110.0	-0.9
20.0	-0.2	70.0	-0.5	120.0	-1.0
30.0	-0.2	80.0	-0.5	130.0	-1.2
40.0	-0.3	90.0	-0.7	140.0	-1.4
50.0	-0.3	100.0	-0.9	150.0	-1.5

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 44 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

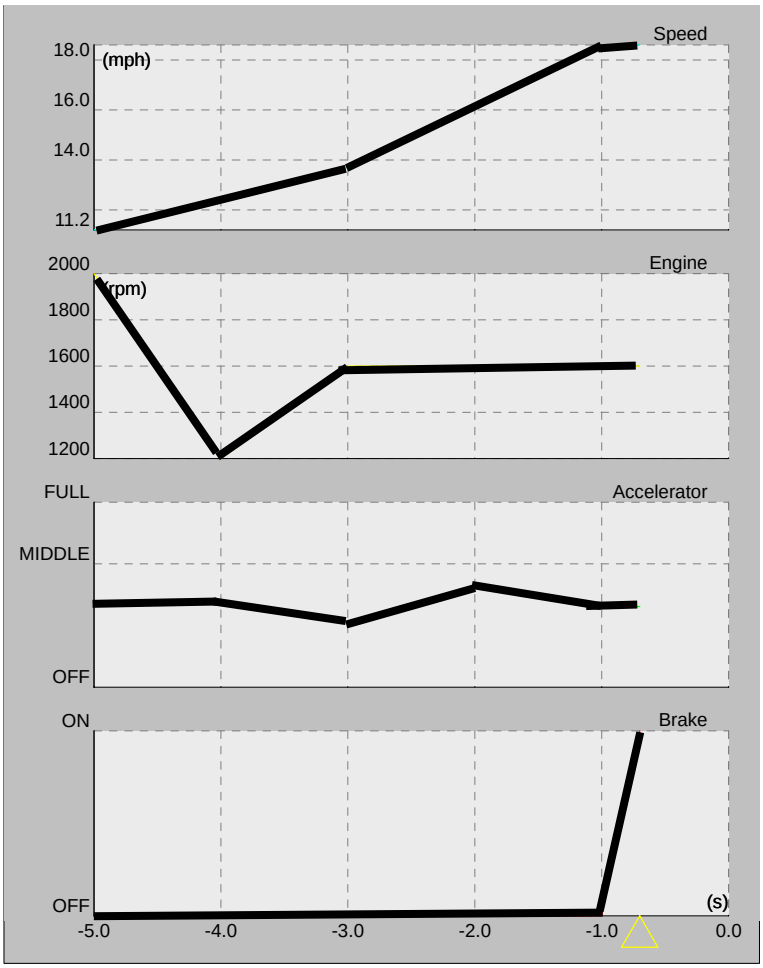
Graph Data

Next most recent	BANK0

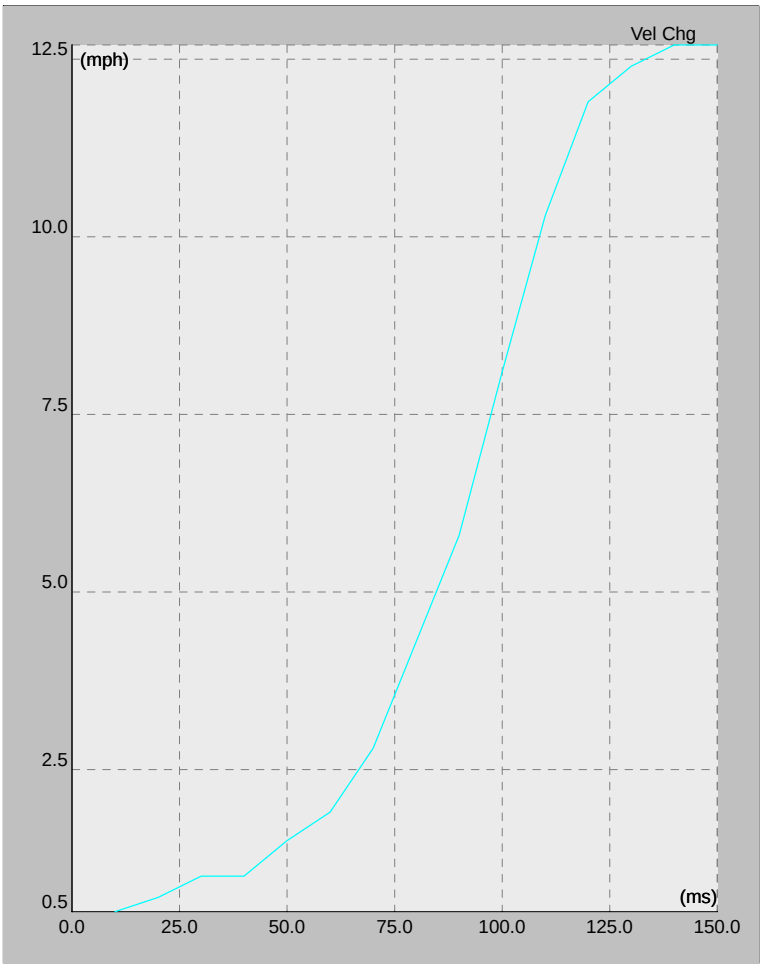
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	300 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	11.2	2000	1.02(OFF	OFF	-0.7	18.6	1600	0.98(OFF	ON
-4.0	12.4	1200	1.02(OFF	OFF					
-3.0	13.7	1600	0.78(OFF	OFF					
-2.0	16.2	1600	1.21(OFF	OFF					
-1.0	18.6	1600	0.98(OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	1.9	110.0	10.3
20.0	0.7	70.0	2.8	120.0	11.9
30.0	1.0	80.0	4.3	130.0	12.4
40.0	1.0	90.0	5.8	140.0	12.7
50.0	1.5	100.0	8.1	150.0	12.7

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 44 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

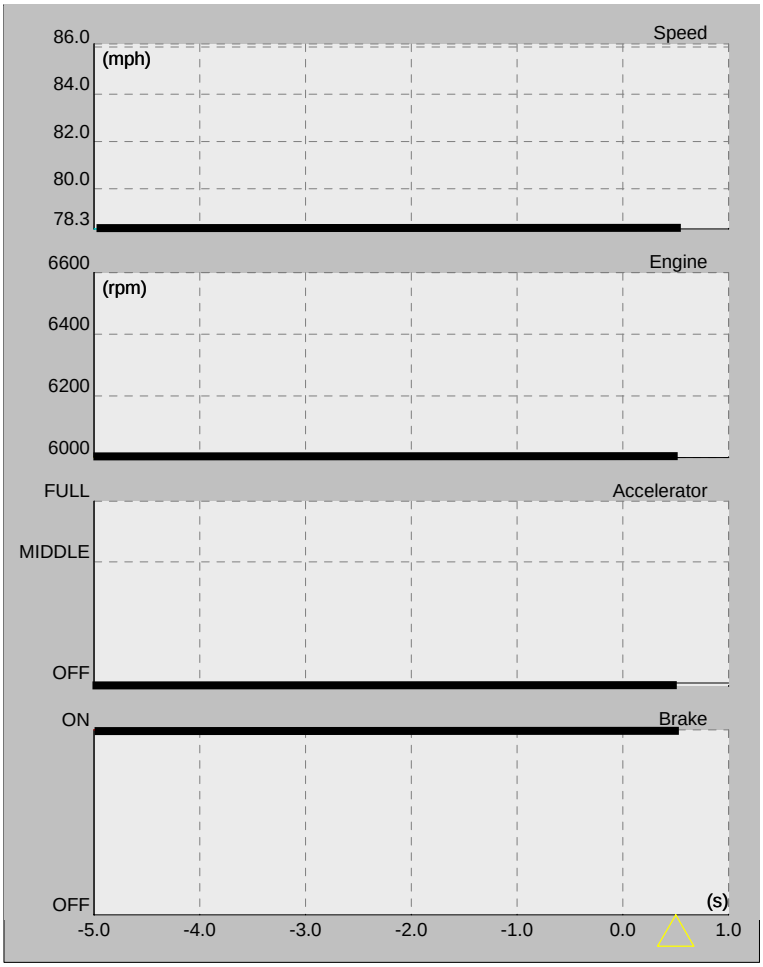
Graph Data

Past max. DeltaV	BANK2

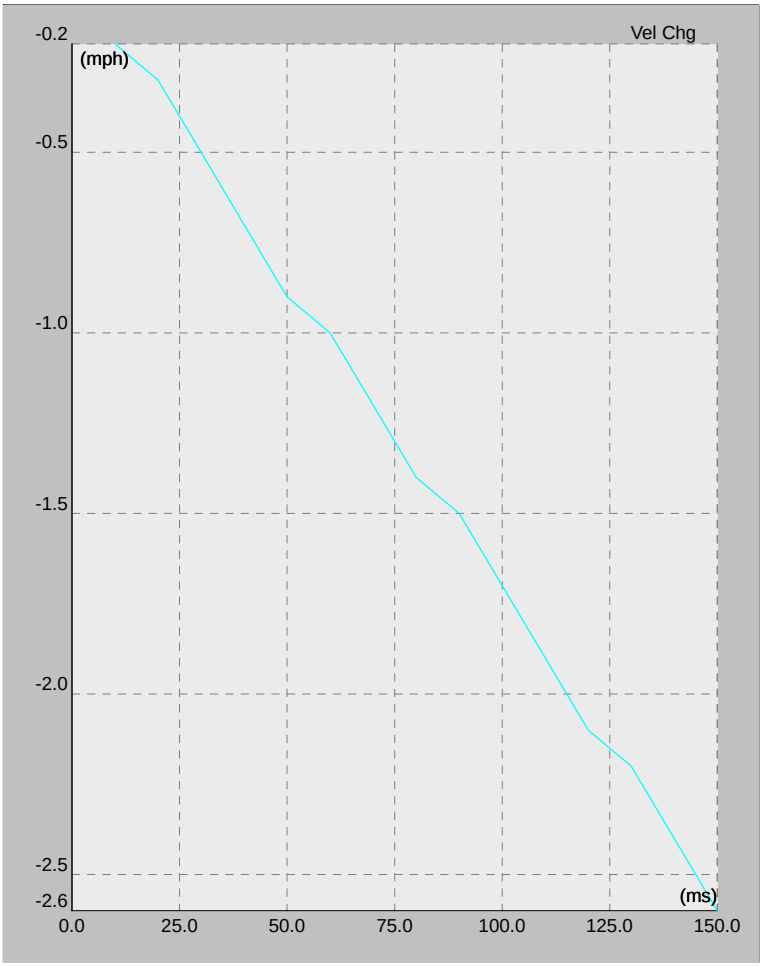
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

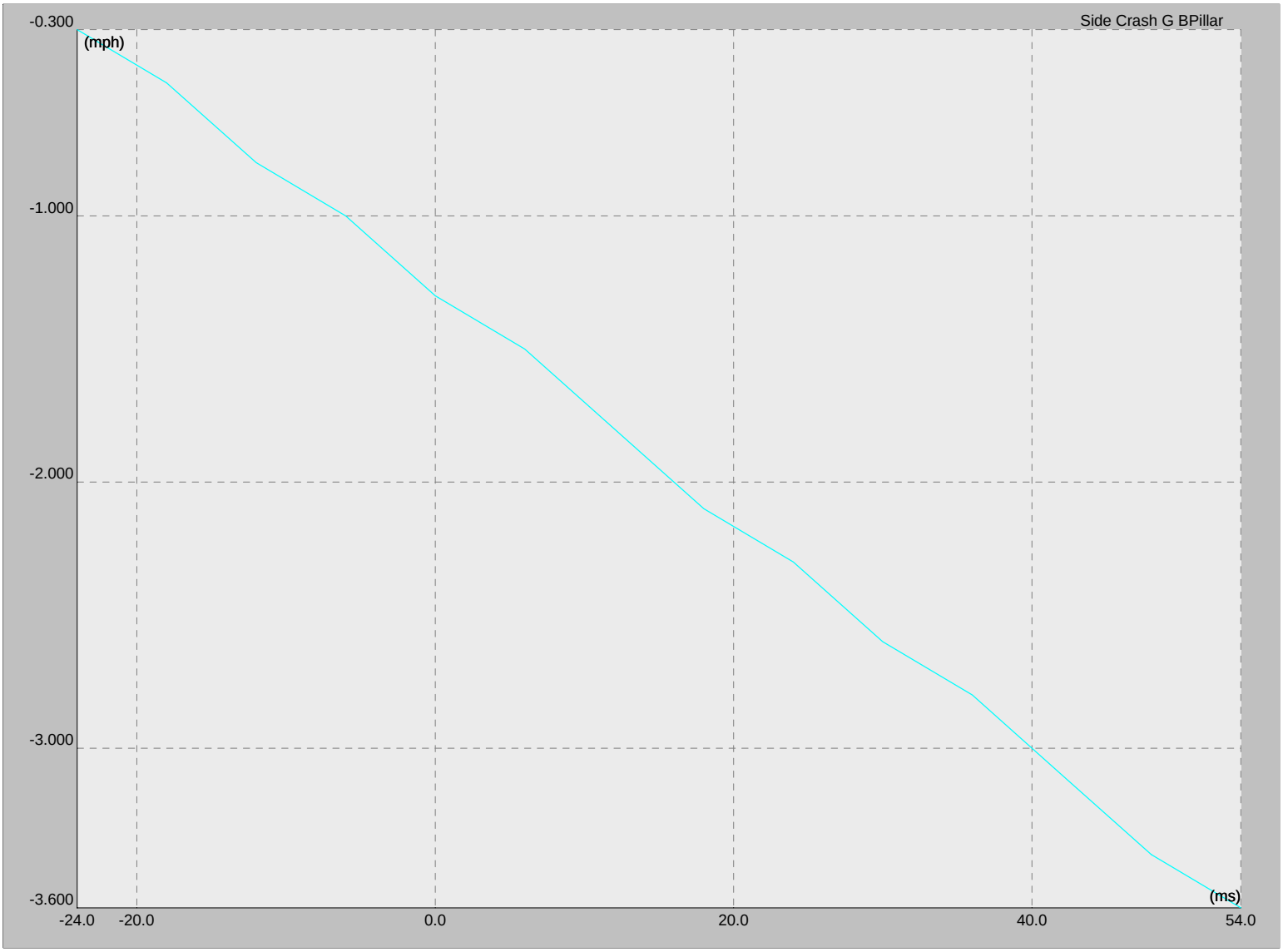
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 44 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.8
-6.0	-1.0
0.0	-1.3
6.0	-1.5
12.0	-1.8
18.0	-2.1
24.0	-2.3
30.0	-2.6
36.0	-2.8
42.0	-3.1
48.0	-3.4
54.0	-3.6

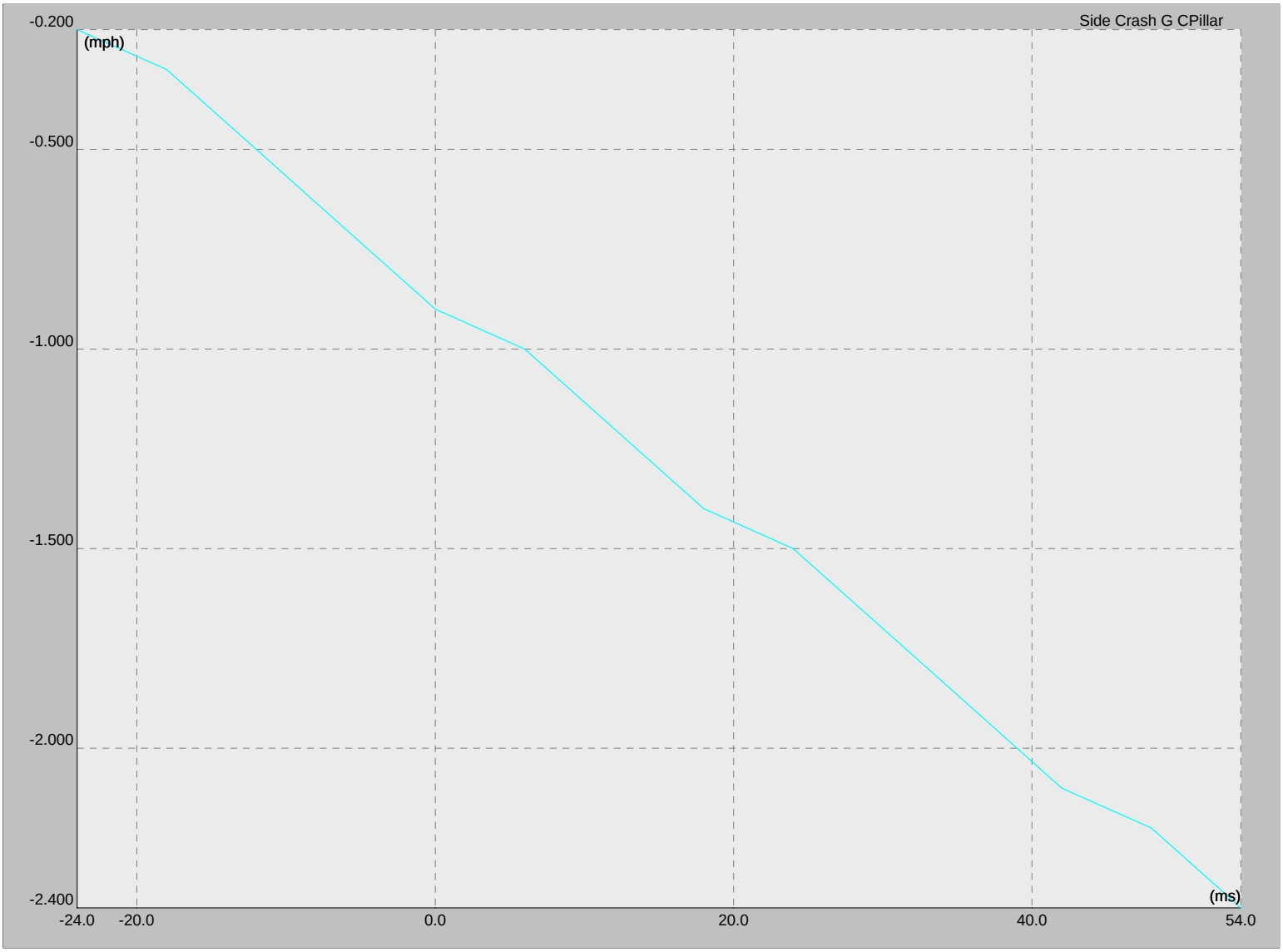
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 44 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.7
0.0	-0.9
6.0	-1.0
12.0	-1.2
18.0	-1.4
24.0	-1.5
30.0	-1.7
36.0	-1.9
42.0	-2.1
48.0	-2.2
54.0	-2.4

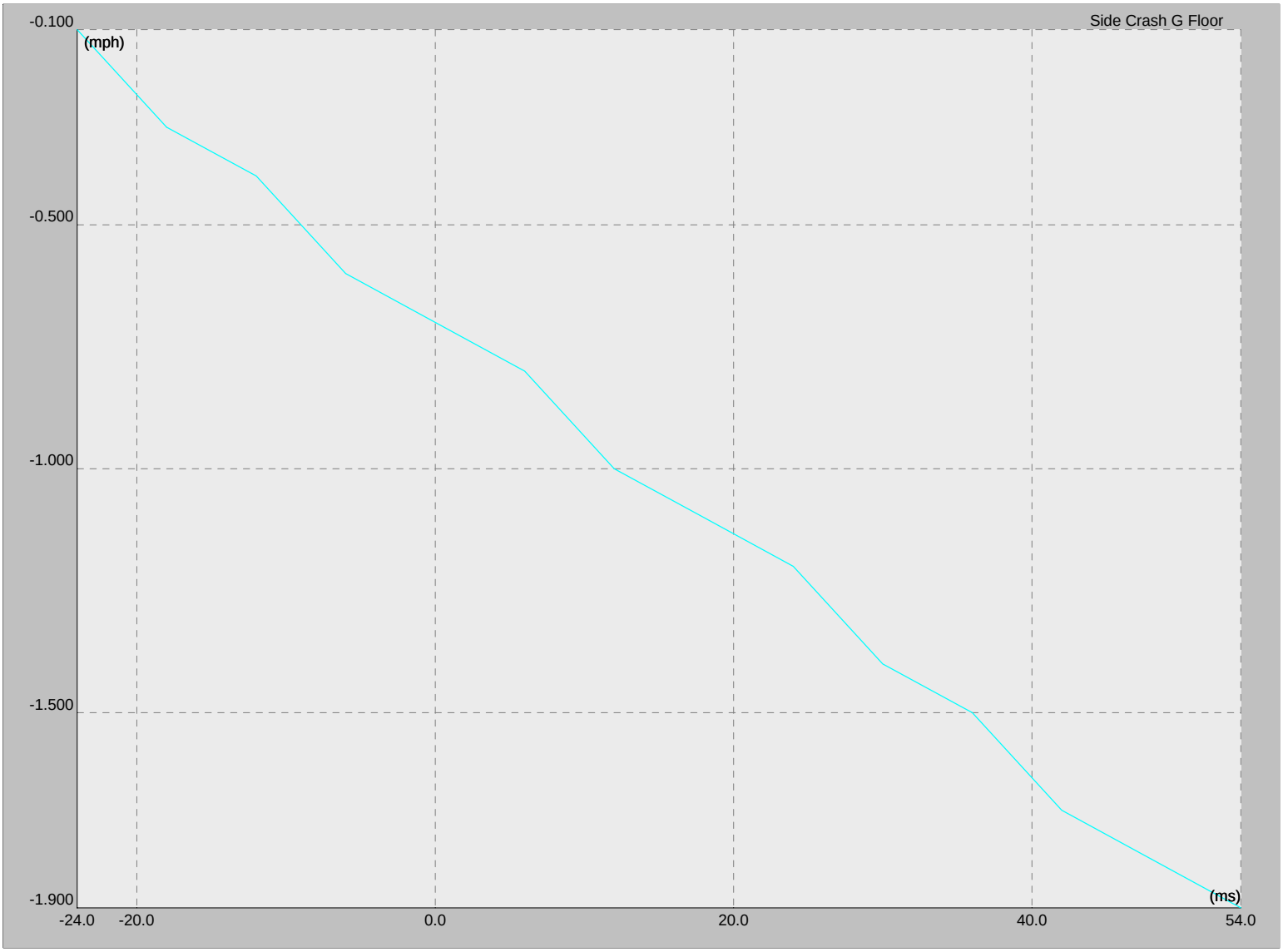
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 44 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	dh_aa
ACCIDENT DATE	[redacted] 2010
VEHICLE	[redacted] Matrix
MODEL YEAR	2009
VIN NUMBER	2T1KU40E69C[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.1
-18.0	-0.3
-12.0	-0.4
-6.0	-0.6
0.0	-0.7
6.0	-0.8
12.0	-1.0
18.0	-1.1
24.0	-1.2
30.0	-1.4
36.0	-1.5
42.0	-1.7
48.0	-1.8
54.0	-1.9

Case 45

Vehicle MY - Model: 2009 Camry

Incident Location: Roadway / Intersection

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Approach to intersection; Traversed intersection, struck tree

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 45 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

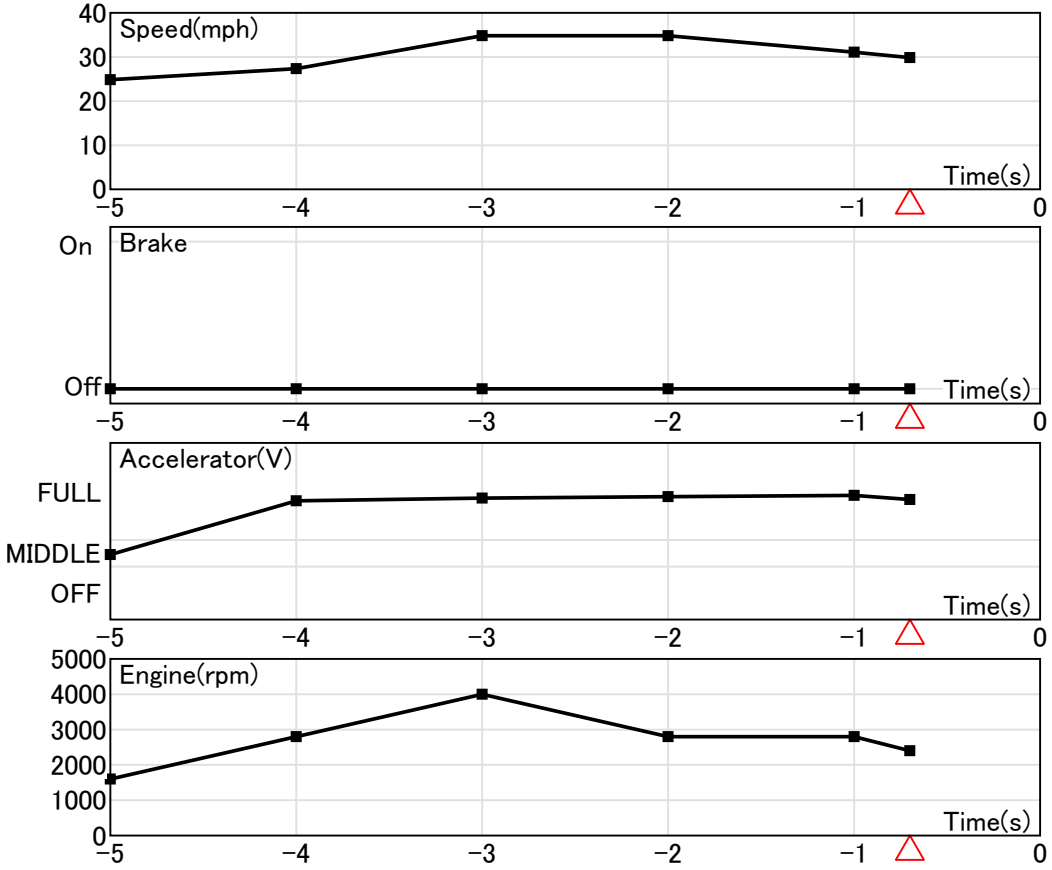
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	24.9	27.3	34.8	34.8	31.1	29.8(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	1.84	3.36	3.44	3.48	3.52	3.40(V)
		MIDDLE	FULL	FULL	FULL	FULL	FULL
Engine	:	1600	2800	4000	2800	2800	2400(rpm)

Time from Last PreCrash Data : 300(ms) △

Case 45 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

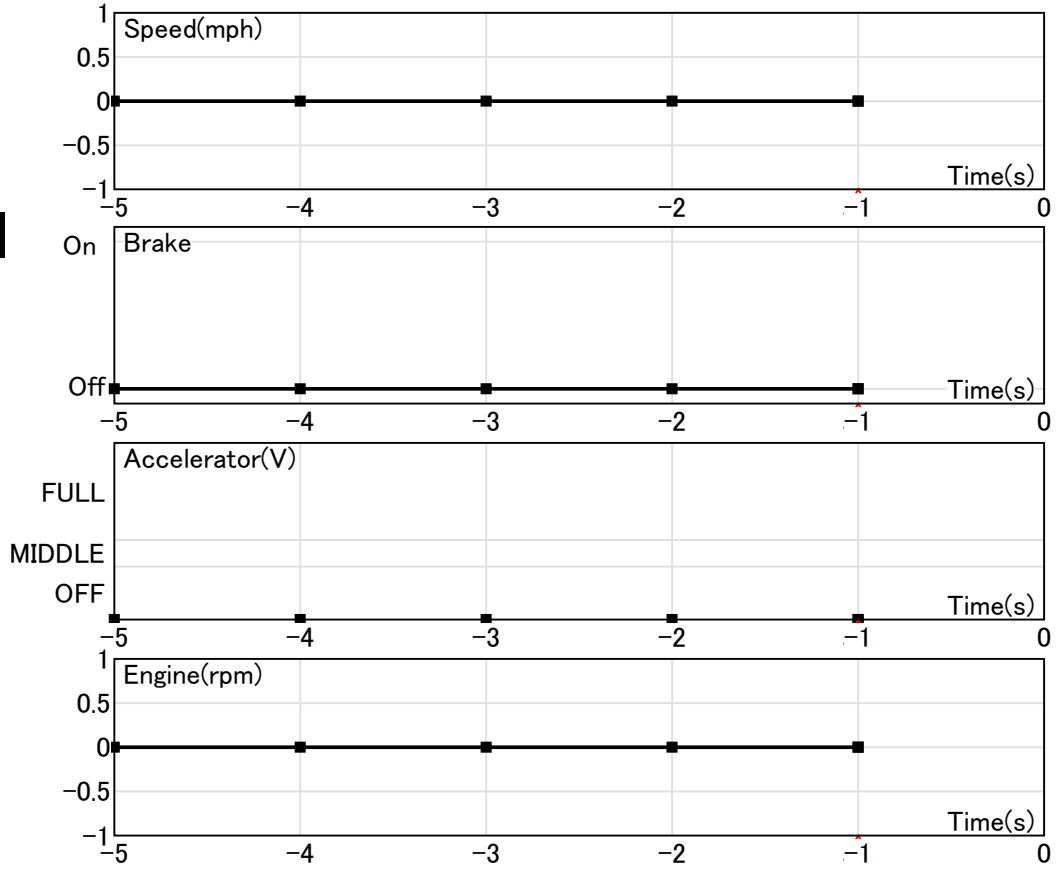
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case 45 Complete EDR Image

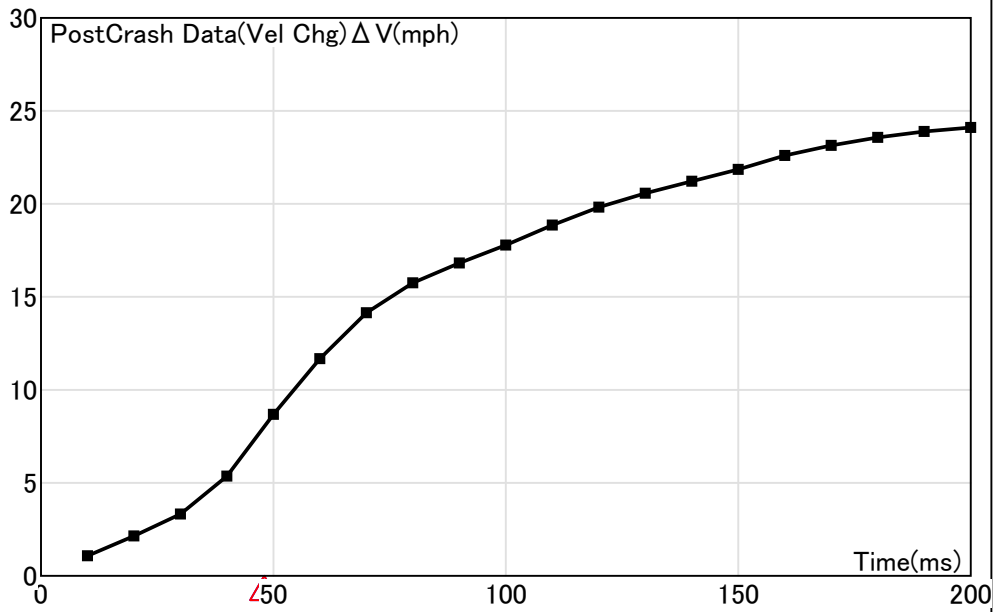
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 17.9(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 48(ms) △
Pretensioner Deployment Time	: 48(ms) △
Deployment Stage Driver	: Low
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.1
20	2.1
30	3.3
40	5.4
50	8.7
60	11.7
70	14.1
80	15.7
90	16.8
100	17.8
110	18.9
120	19.8
130	20.6
140	21.2
150	21.9
160	22.6
170	23.1
180	23.6
190	23.9
200	24.1

Case 45 Complete EDR Image

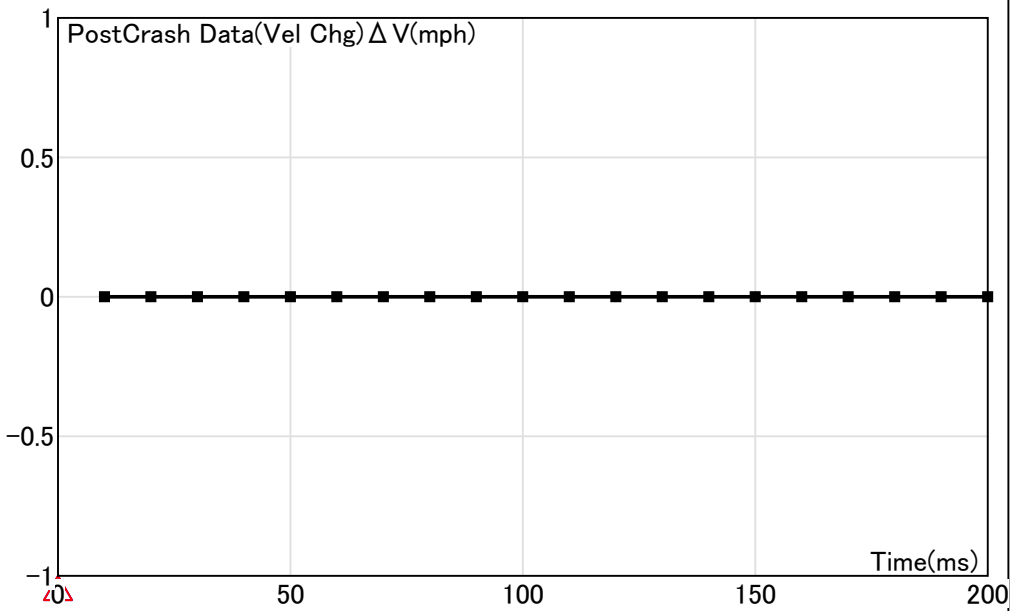
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 45 Complete EDR Image

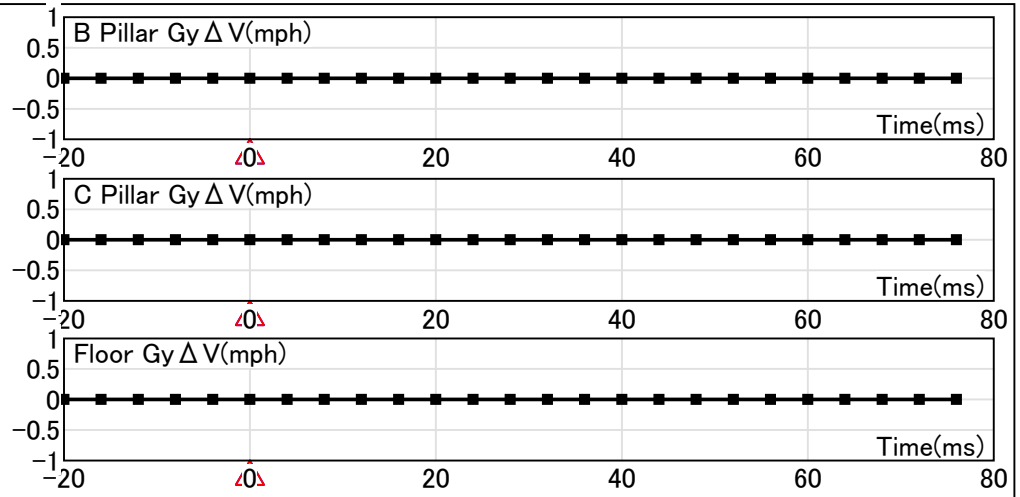
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 45 Complete EDR Image

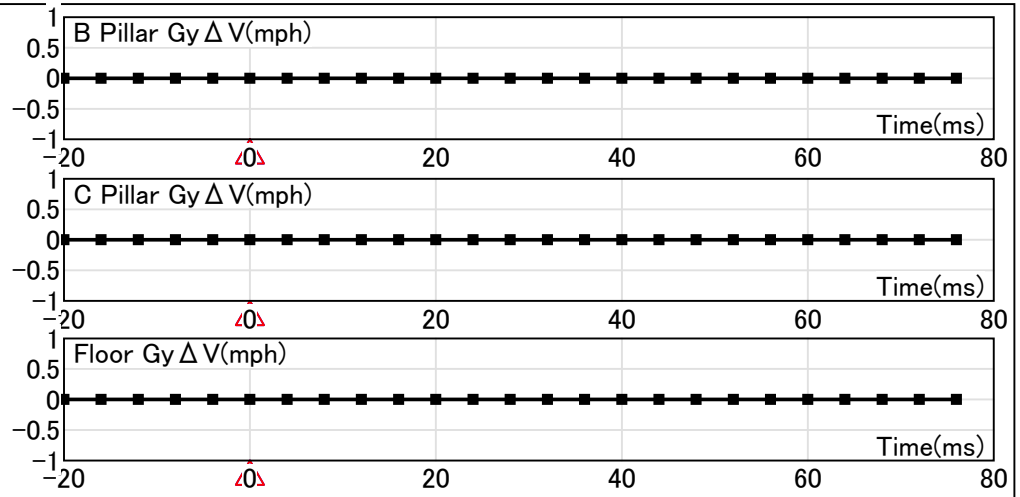
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Willard
Accident Date	: [redacted]10
Vehicle	: Camry
Model Year	: 2009
VIN Number	: JTNBK46K293[redacted]
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 46

Vehicle MY - Model: 2008 ES350

Incident Location: Parking Lot

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Driving on local road; Entered parking lot, struck pay phone, large sign, rolled over, struck another vehicle

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 46 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

System Information

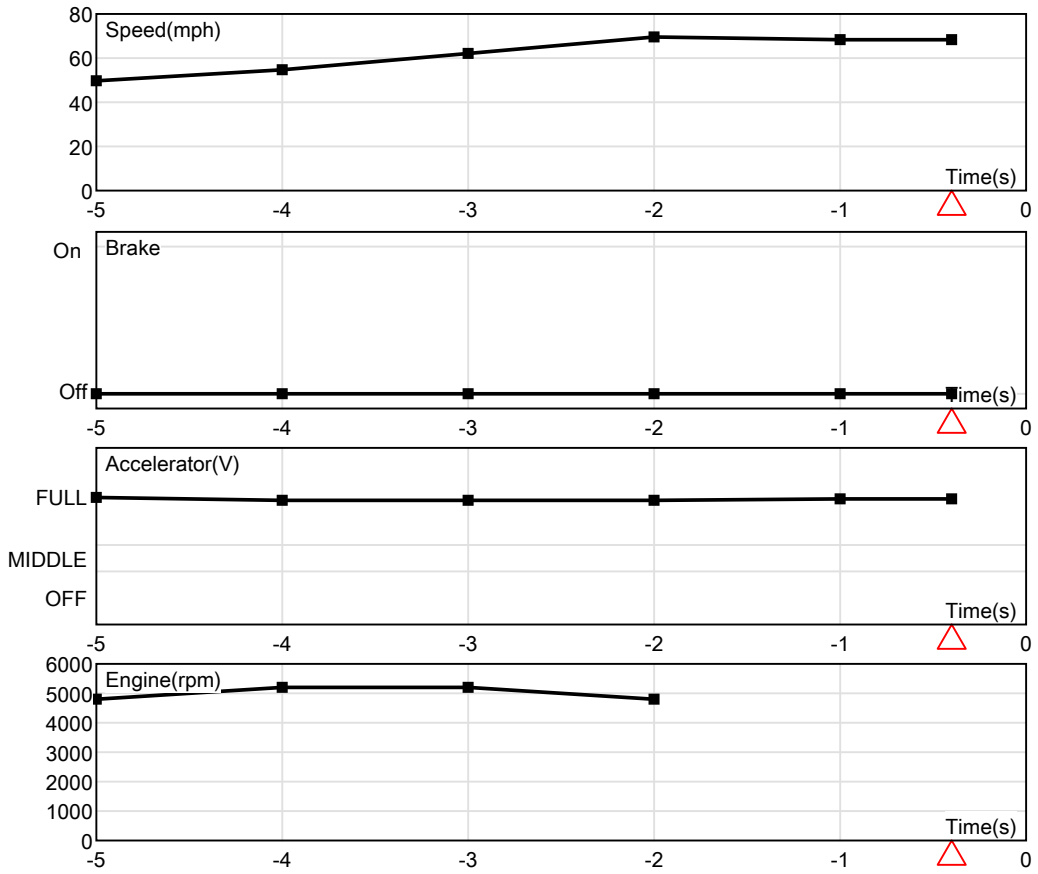
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 903(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: FrontalAB&Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	49.7	54.7	62.2	69.6	68.4	68.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.59	3.52	3.52	3.52	3.55	3.55(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	4800	5200	5200	4800	Invalid	Invalid

Time from Last PreCrash Data : 600(ms)

Case 46 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

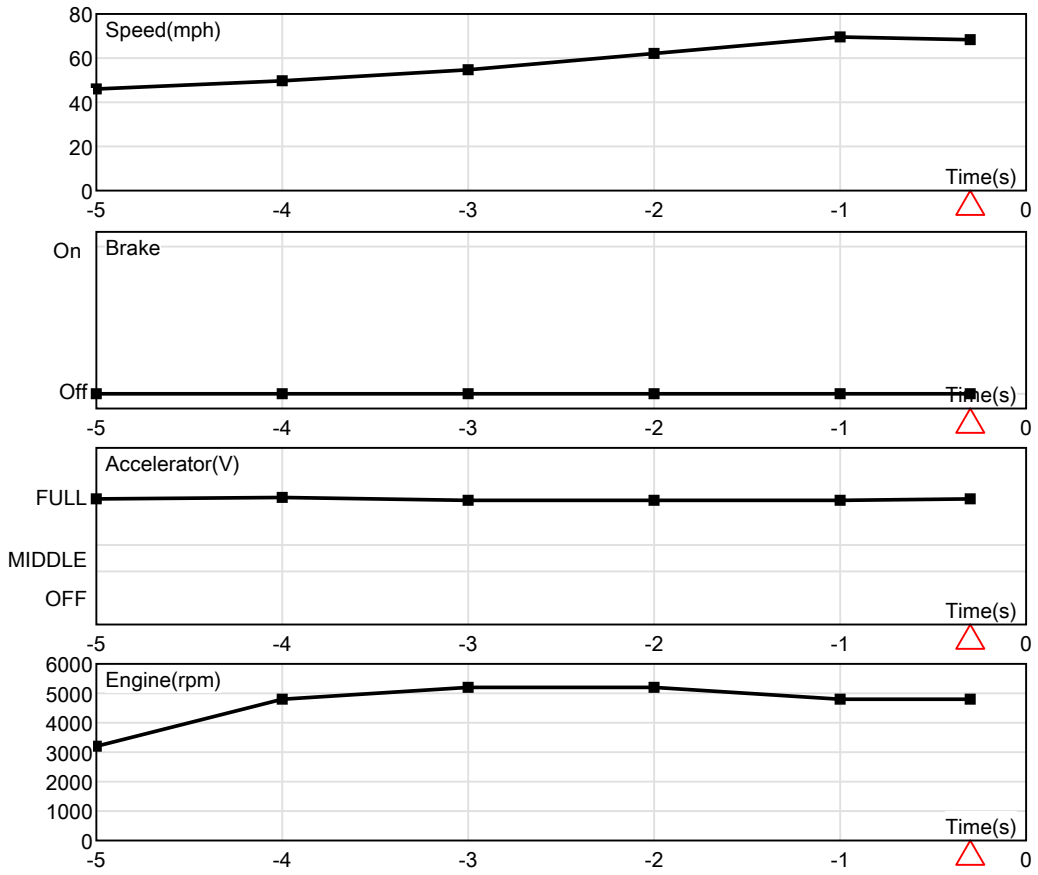
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: FM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	46.0	49.7	54.7	62.2	69.6	68.4(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	3.55	3.59	3.52	3.52	3.52	3.55(V)
		FULL	FULL	FULL	FULL	FULL	FULL
Engine	:	3200	4800	5200	5200	4800	4800(rpm)

Time from Last PreCrash Data : 700(ms)

Case 46 Complete EDR Image

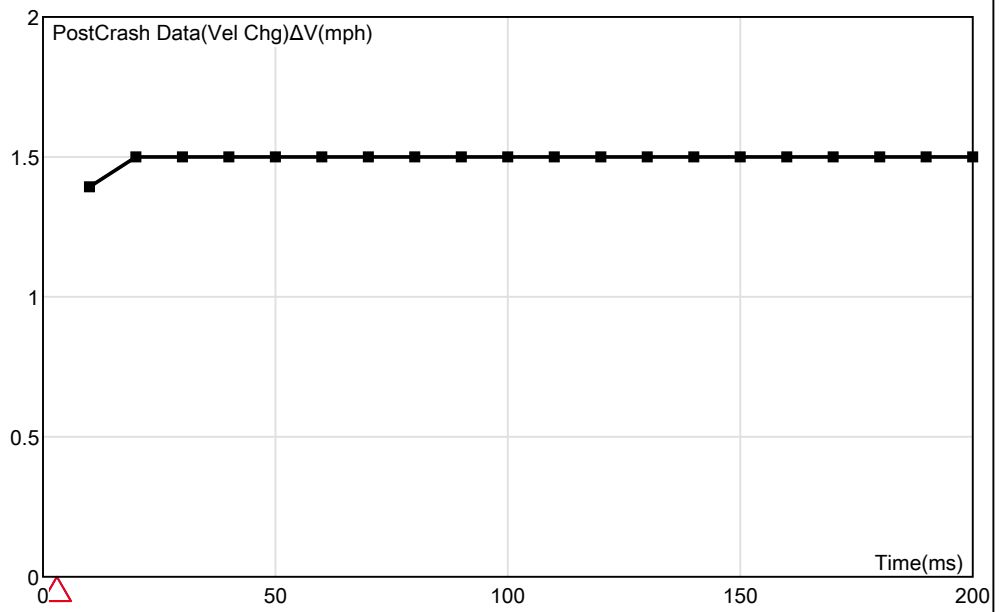
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 1.1(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 7(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 274(ms)
Frontal AB Deployment Time	: 3(ms)
Pretensioner Deployment Time	: 3(ms)
Deployment Stage Driver	: ExLow
Deployment Stage Passenger	: ExLow
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	1.4
20	1.5
30	1.5
40	1.5
50	1.5
60	1.5
70	1.5
80	1.5
90	1.5
100	1.5
110	1.5
120	1.5
130	1.5
140	1.5
150	1.5
160	1.5
170	1.5
180	1.5
190	1.5
200	1.5

Case 46 Complete EDR Image

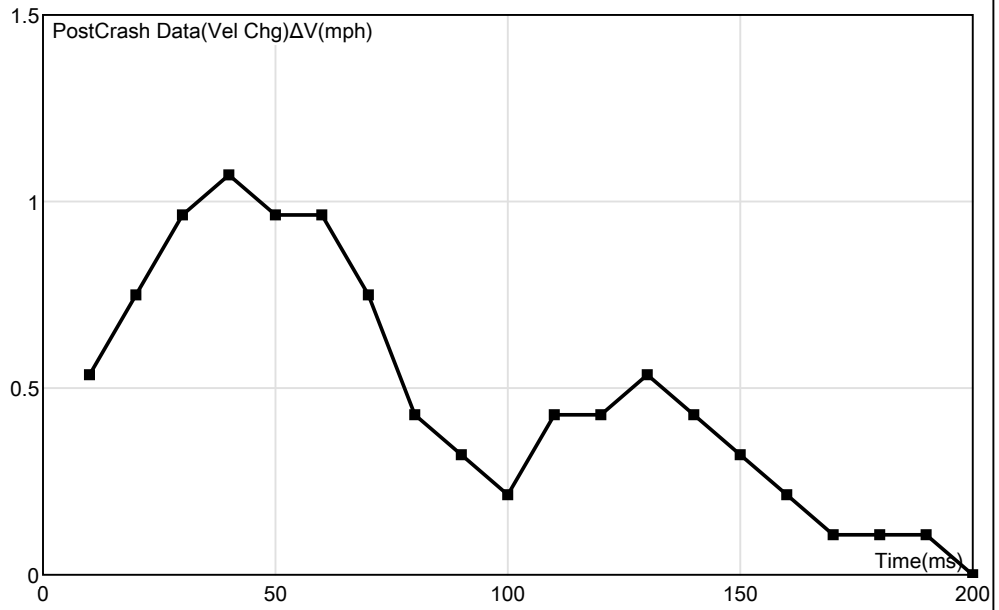
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 5(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 201(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.5
20	0.7
30	1.0
40	1.1
50	1.0
60	1.0
70	0.7
80	0.4
90	0.3
100	0.2
110	0.4
120	0.4
130	0.5
140	0.4
150	0.3
160	0.2
170	0.1
180	0.1
190	0.1
200	0.0

Case 46 Complete EDR Image

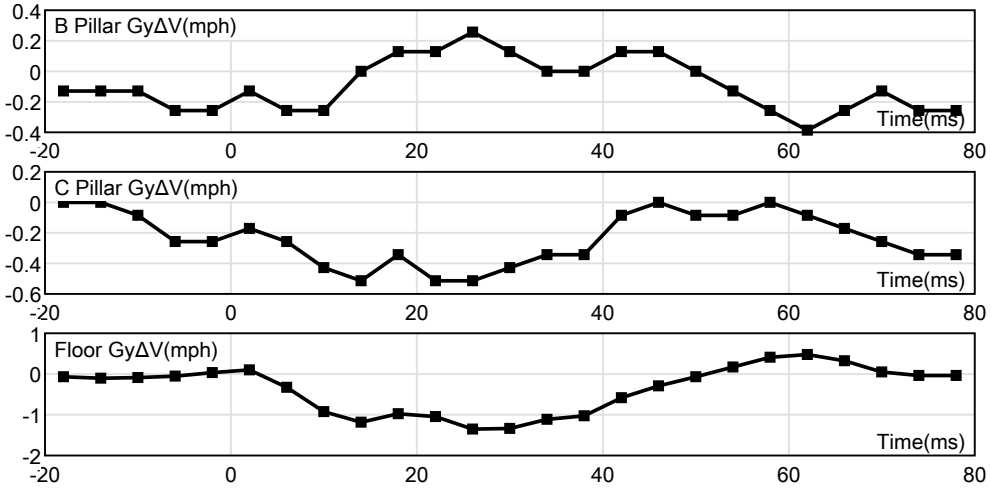
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 2(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 166(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-18	-0.1	0.0	-0.1
-14	-0.1	0.0	-0.1
-10	-0.1	-0.1	-0.1
-6	-0.3	-0.3	-0.1
-2	-0.3	-0.3	0.0
2	-0.1	-0.2	0.1
6	-0.3	-0.3	-0.3
10	-0.3	-0.4	-0.9
14	0.0	-0.5	-1.2
18	0.1	-0.3	-1.0
22	0.1	-0.5	-1.0
26	0.3	-0.5	-1.4
30	0.1	-0.4	-1.3
34	0.0	-0.3	-1.1
38	0.0	-0.3	-1.0
42	0.1	-0.1	-0.6
46	0.1	0.0	-0.3
50	0.0	-0.1	-0.1
54	-0.1	-0.1	0.2
58	-0.3	0.0	0.4
62	-0.4	-0.1	0.5
66	-0.3	-0.2	0.3
70	-0.1	-0.3	0.1
74	-0.3	-0.3	-0.0
78	-0.3	-0.3	-0.0

Case 46 Complete EDR Image

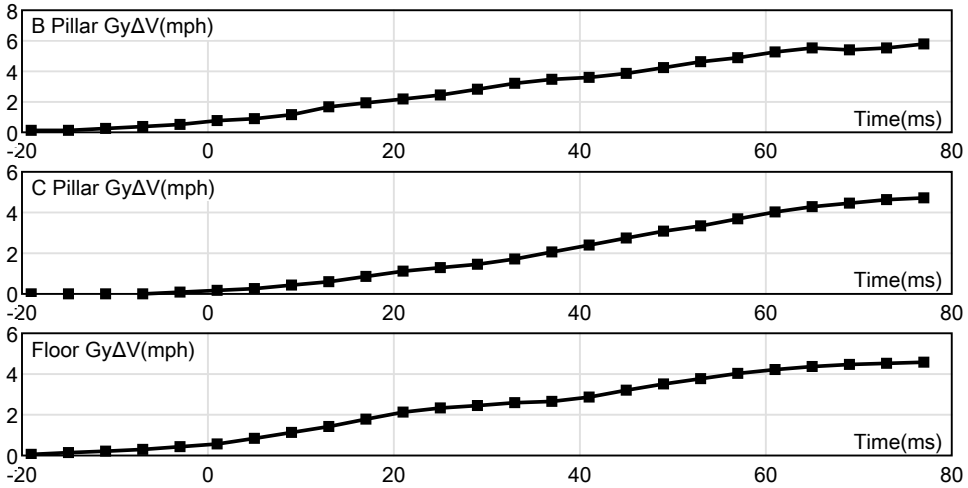
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33550
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 6(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Passenger'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	0.1	0.0	0.1
-15	0.1	0.0	0.1
-11	0.3	0.0	0.2
-7	0.4	0.0	0.3
-3	0.5	0.1	0.4
1	0.8	0.2	0.6
5	0.9	0.3	0.8
9	1.2	0.4	1.1
13	1.7	0.6	1.4
17	1.9	0.9	1.8
21	2.2	1.1	2.1
25	2.4	1.3	2.3
29	2.8	1.5	2.5
33	3.2	1.7	2.6
37	3.5	2.1	2.7
41	3.6	2.4	2.9
45	3.9	2.7	3.2
49	4.2	3.1	3.5
53	4.6	3.3	3.8
57	4.9	3.7	4.0
61	5.3	4.0	4.2
65	5.5	4.3	4.4
69	5.4	4.5	4.5
73	5.5	4.6	4.5
77	5.8	4.7	4.6

Case 47

Vehicle MY - Model: 2006 RX330

Incident Location: Roadway / beginning of curve

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Vehicle left the roadway; traversed grass, struck guard rail & pole

Observation: EDR Pre-Crash Data Indicate: Very high vehicle speed sustained, declining towards end; no acceleration or brake application; Circumstances indicate that vehicle was traveling too fast for conditions;

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 47 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Data Table

Data Name	Data
ECU Maker	DENSO
ECU Number	89170-0E020
R/O Deployment Time	no deployment less than 2sec
R/O RA MAX Value within 2sec. from trigger	25.7 (deg)
R/O CSA-Manual Cut OFF(N/A)	(N/A)
NewPage	1 Page
Freeze Signal	Freeze
Deployment Time	22 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 47 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

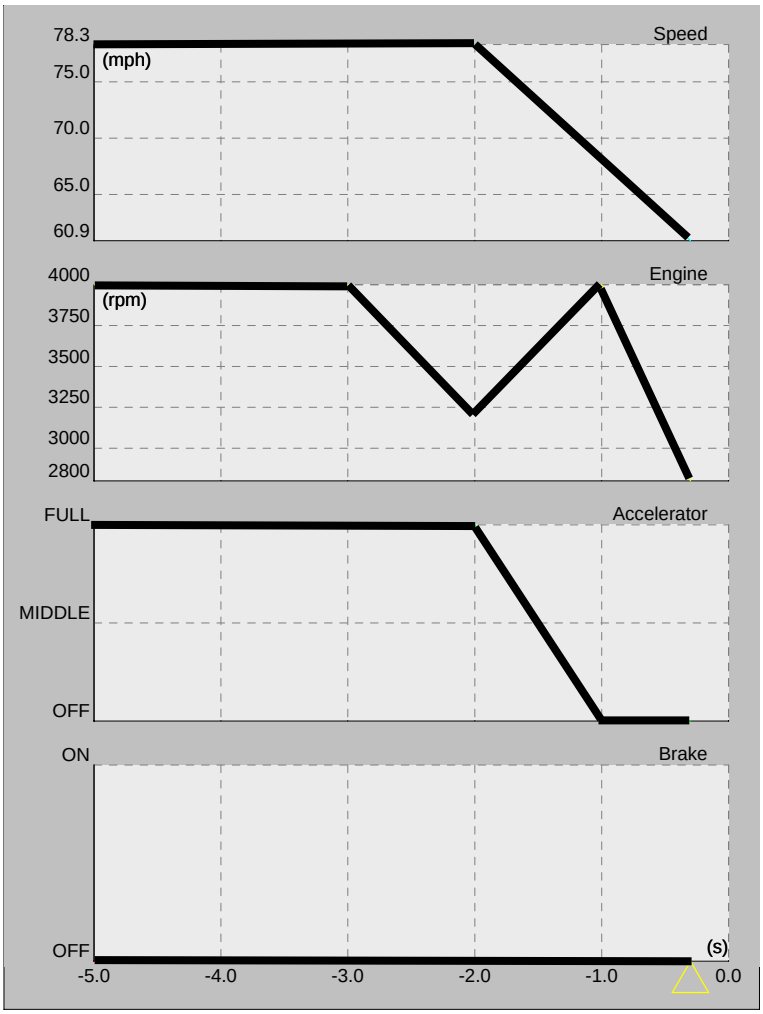
Graph Data

Latest/Frozen	BANK1
Freeze Signal	Freeze

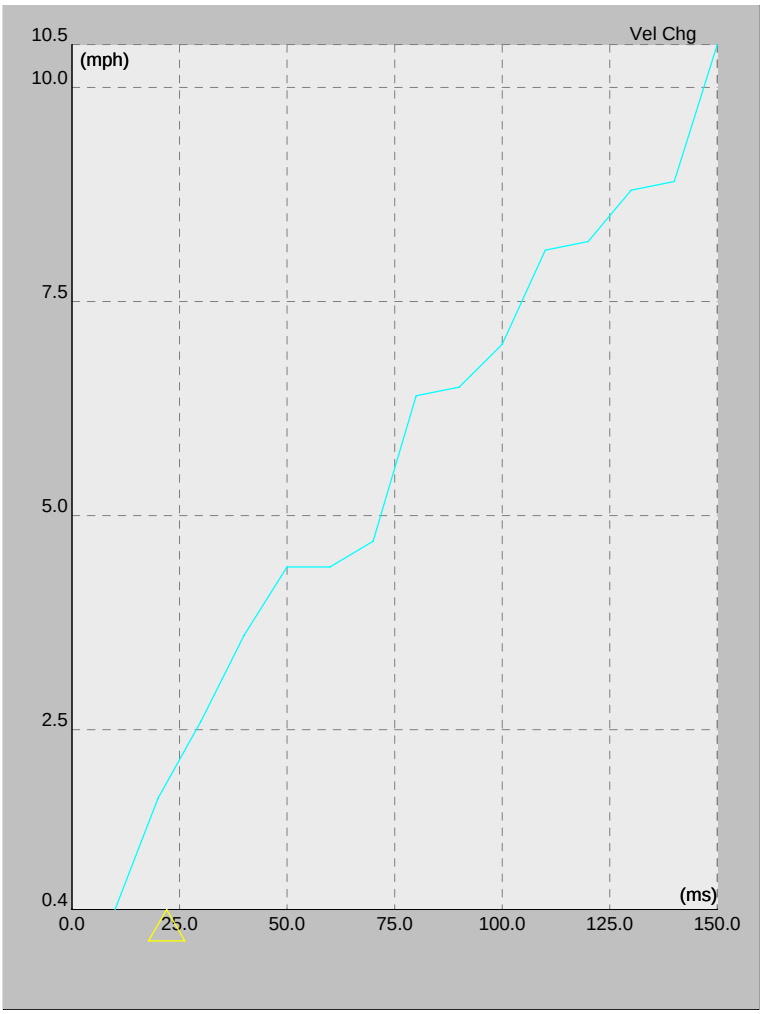
Individual Data

Data Name	Data
Time From Previous Event	1620 ms
Time From Last PreCrash Data	700 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Other
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	No Level
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	1 times
Lamp On Term	15 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	4 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	4000	FULL	OFF	-0.3	60.9	2800	OFF	OFF
-4.0	78.3	4000	FULL	OFF					
-3.0	78.3	4000	FULL	OFF					
-2.0	78.3	3200	FULL	OFF					
-1.0	68.3	4000	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	4.4	110.0	8.1
20.0	1.7	70.0	4.7	120.0	8.2
30.0	2.6	80.0	6.4	130.0	8.8
40.0	3.6	90.0	6.5	140.0	8.9
50.0	4.4	100.0	7.0	150.0	10.5

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 47 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

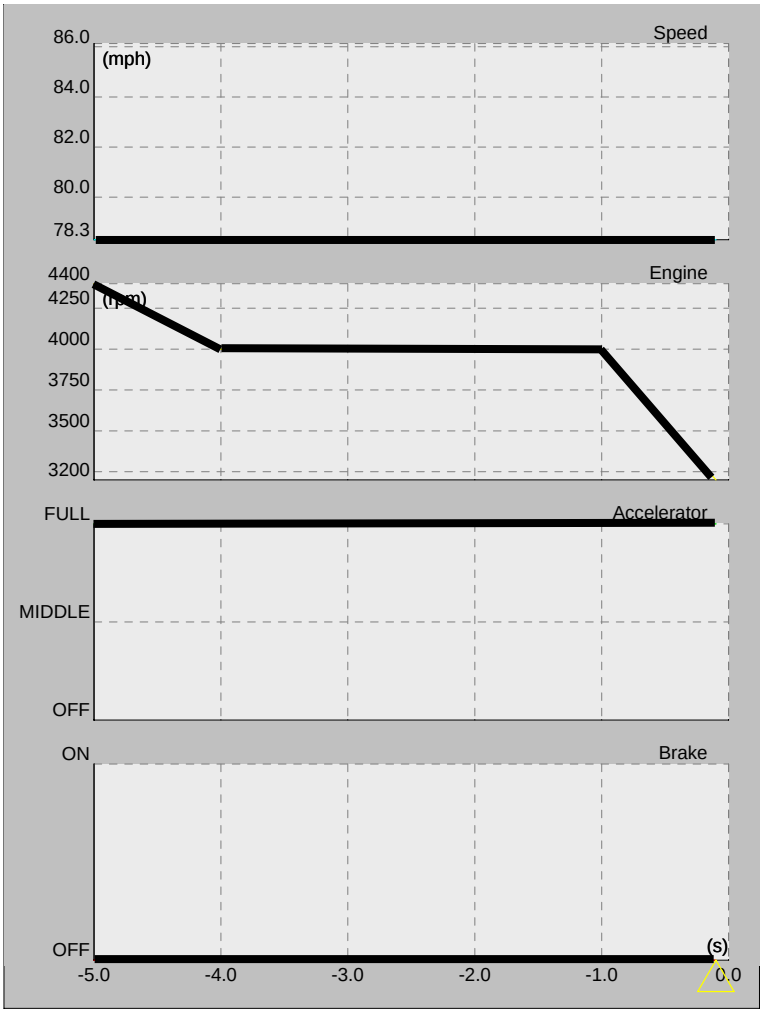
Graph Data

Next most recent	BANK2

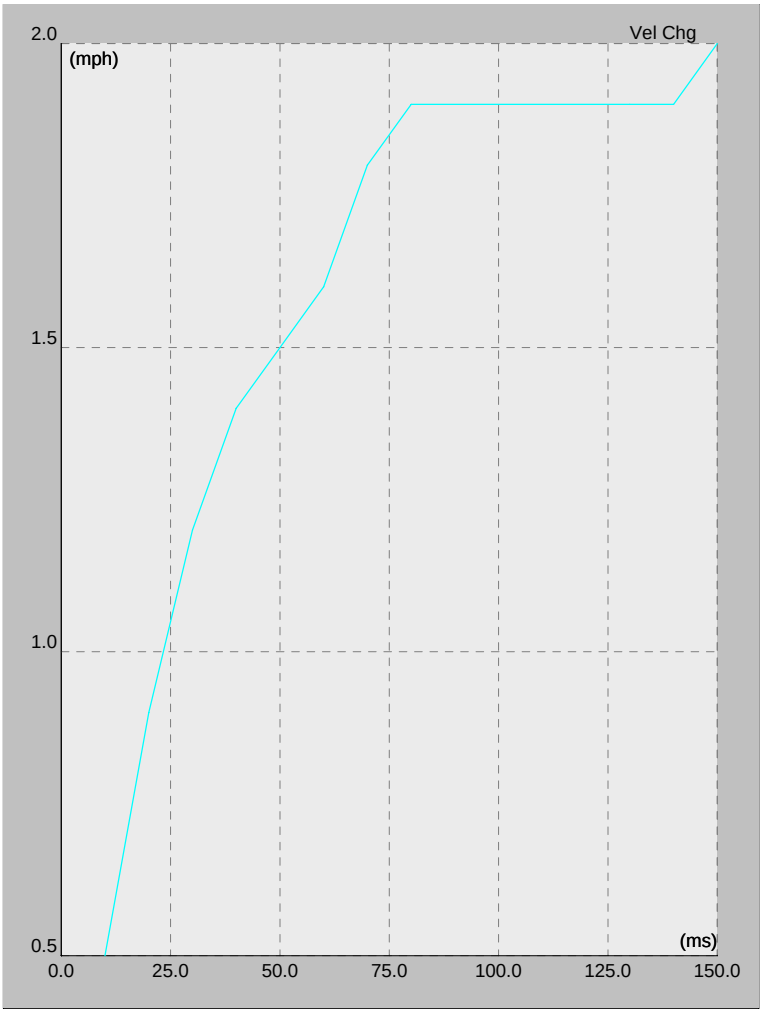
Individual Data

Data Name	Data
Time From Previous Event	2900 ms
Time From Last PreCrash Data	900 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Other
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	No Level
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	1 times
Lamp On Term	15 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	3 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	4400	FULL	OFF	-0.1	78.3	3200	FULL	OFF
-4.0	78.3	4000	FULL	OFF					
-3.0	78.3	4000	FULL	OFF					
-2.0	78.3	4000	FULL	OFF					
-1.0	78.3	4000	FULL	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.5	60.0	1.6	110.0	1.9
20.0	0.9	70.0	1.8	120.0	1.9
30.0	1.2	80.0	1.9	130.0	1.9
40.0	1.4	90.0	1.9	140.0	1.9
50.0	1.5	100.0	1.9	150.0	2.0

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 47 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

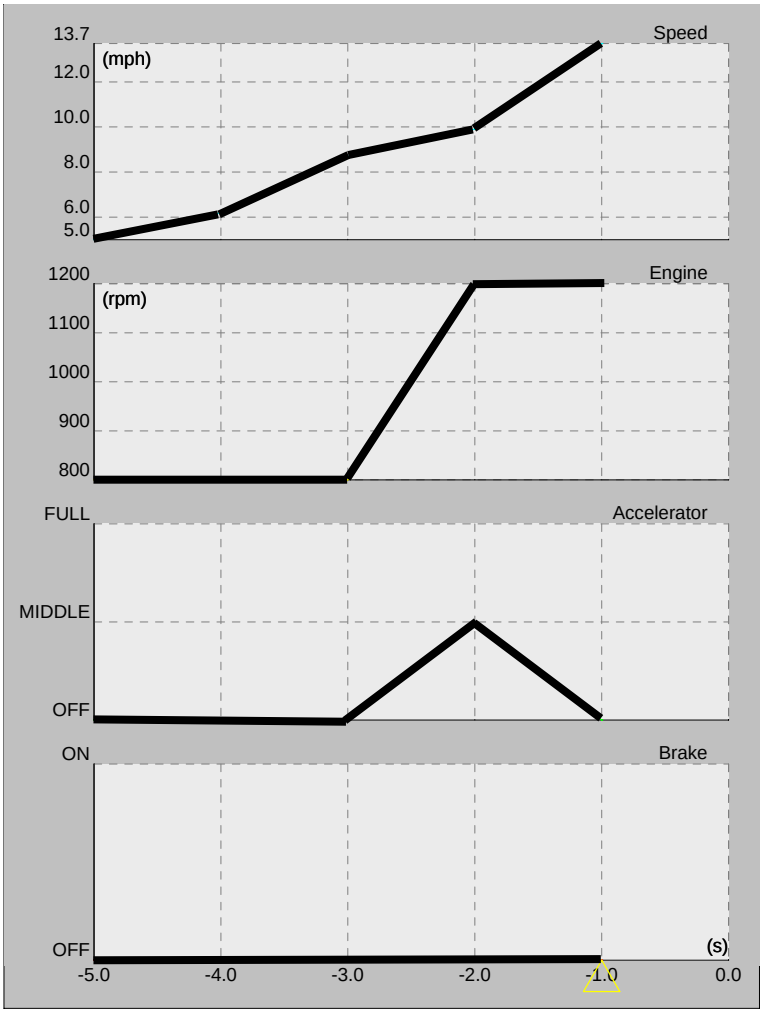
Graph Data

Past max. DeltaV	BANK0

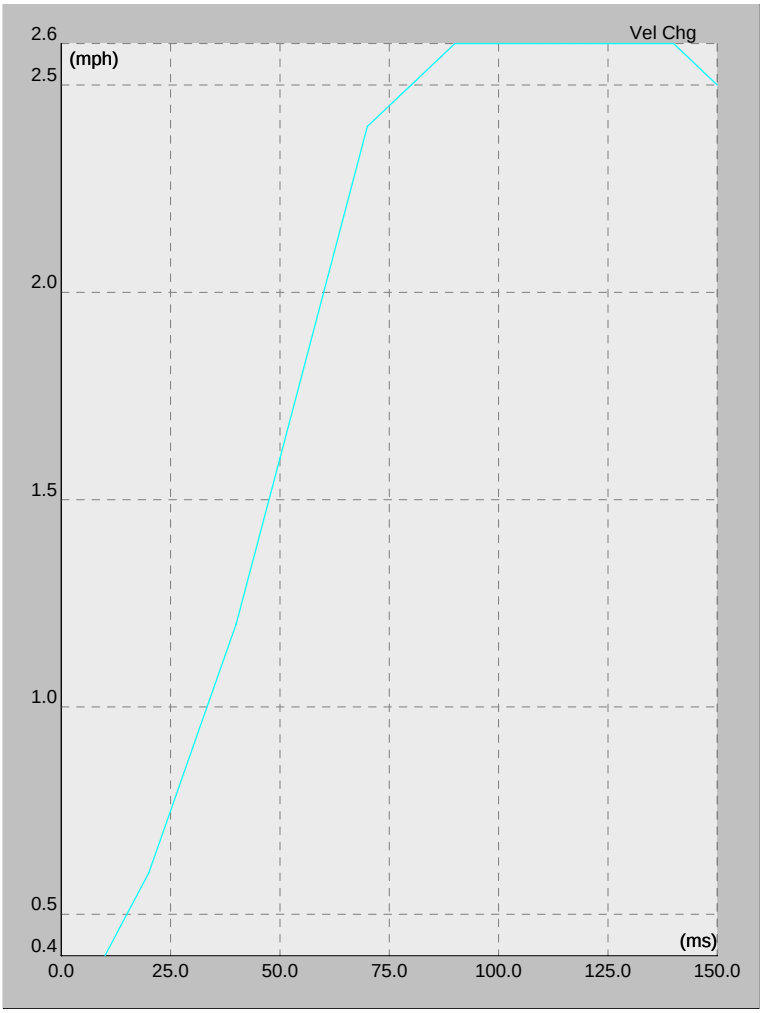
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	0 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Other
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	1 times
Lamp On Term	15 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1 Count
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	5.0	800	OFF	OFF	-1.0	13.7	1200	OFF	OFF
-4.0	6.2	800	OFF	OFF					
-3.0	8.7	800	OFF	OFF					
-2.0	9.9	1200	MIDDLE	OFF					
-1.0	13.7	1200	OFF	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.4	60.0	2.0	110.0	2.6
20.0	0.6	70.0	2.4	120.0	2.6
30.0	0.9	80.0	2.5	130.0	2.6
40.0	1.2	90.0	2.6	140.0	2.6
50.0	1.6	100.0	2.6	150.0	2.5

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 47 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Graph Data

Graph Name	R/O Roll Angle
Freeze Signal	Freeze



R/O Roll Angle GWave

count	R/O Roll Angle	count	R/O Roll Angle
0.0	1.7	17.0	18.3
1.0	2.5	18.0	14.2
2.0	3.3	19.0	12.5
3.0	0.8		
4.0	-1.7		
5.0	1.7		
6.0	5.0		
7.0	1.7		
8.0	5.0		
9.0	13.3		
10.0	15.0		
11.0	14.2		
12.0	22.5		
13.0	24.2		
14.0	19.2		
15.0	13.3		
16.0	18.3		

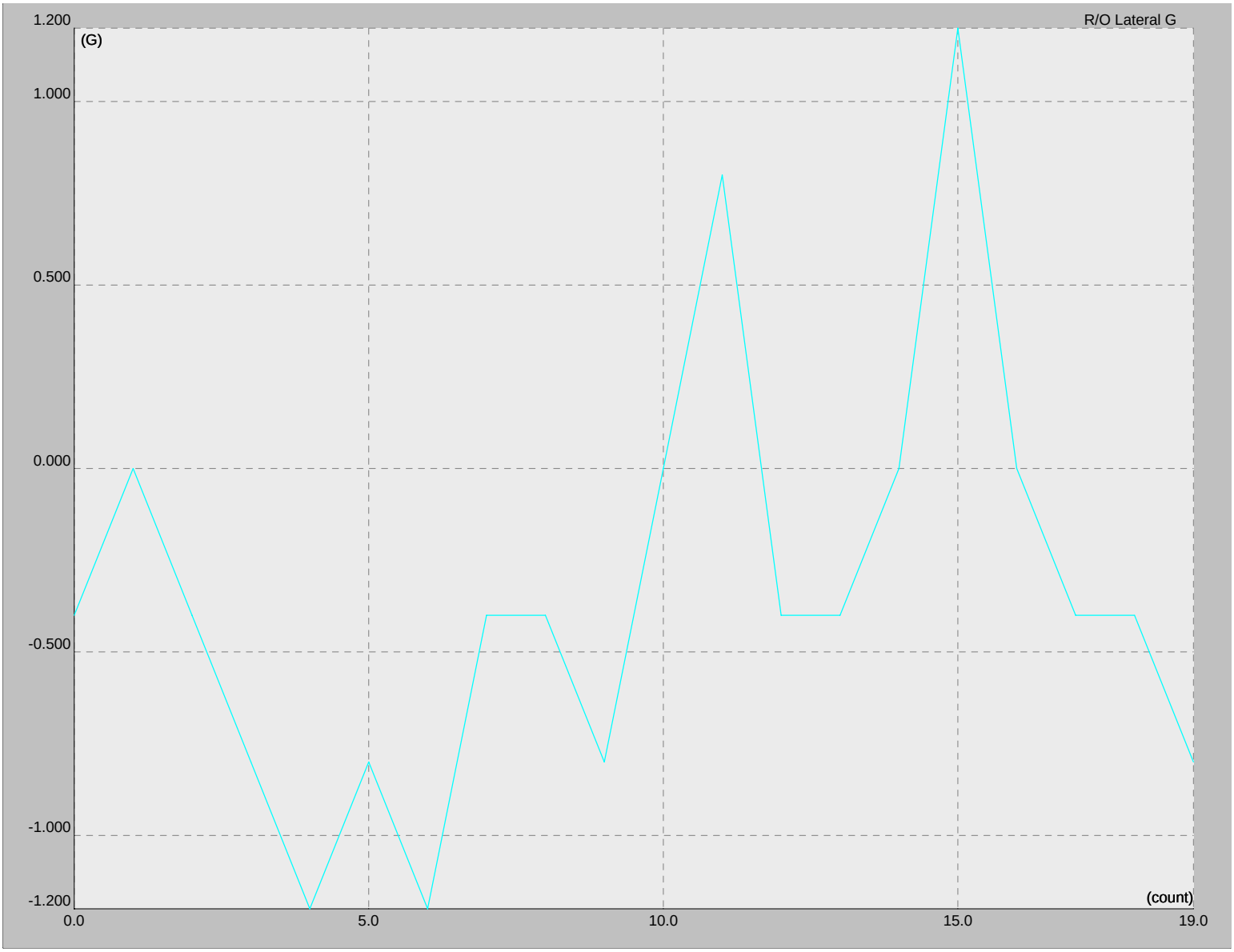
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 47 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	

Graph Data

Graph Name	R/O Lateral G
Freeze Signal	Freeze



R/O Lateral G GWave

count	R/O Lateral G	count	R/O Lateral G
0.0	-0.4	17.0	-0.4
1.0	0.0	18.0	-0.4
2.0	-0.4	19.0	-0.8
3.0	-0.8		
4.0	-1.2		
5.0	-0.8		
6.0	-1.2		
7.0	-0.4		
8.0	-0.4		
9.0	-0.8		
10.0	0.0		
11.0	0.8		
12.0	-0.4		
13.0	-0.4		
14.0	0.0		
15.0	1.2		
16.0	0.0		

Case 48

Vehicle MY - Model: 2007 Camry

Incident Location: Roadway / Traffic

Inspection Prompted by: Private attorney alleged a potential unintended acceleration incident

Incident Synopsis: Vehicle crossed centerline, struck a tree

Observation: EDR Pre-Crash Data Indicate: High speed at beginning w/ brake application at -3 sec (reverting back to Off); vehicle speed slightly declines; engine rpm and accelerator position ramp towards end

See Page 2

Case 48 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

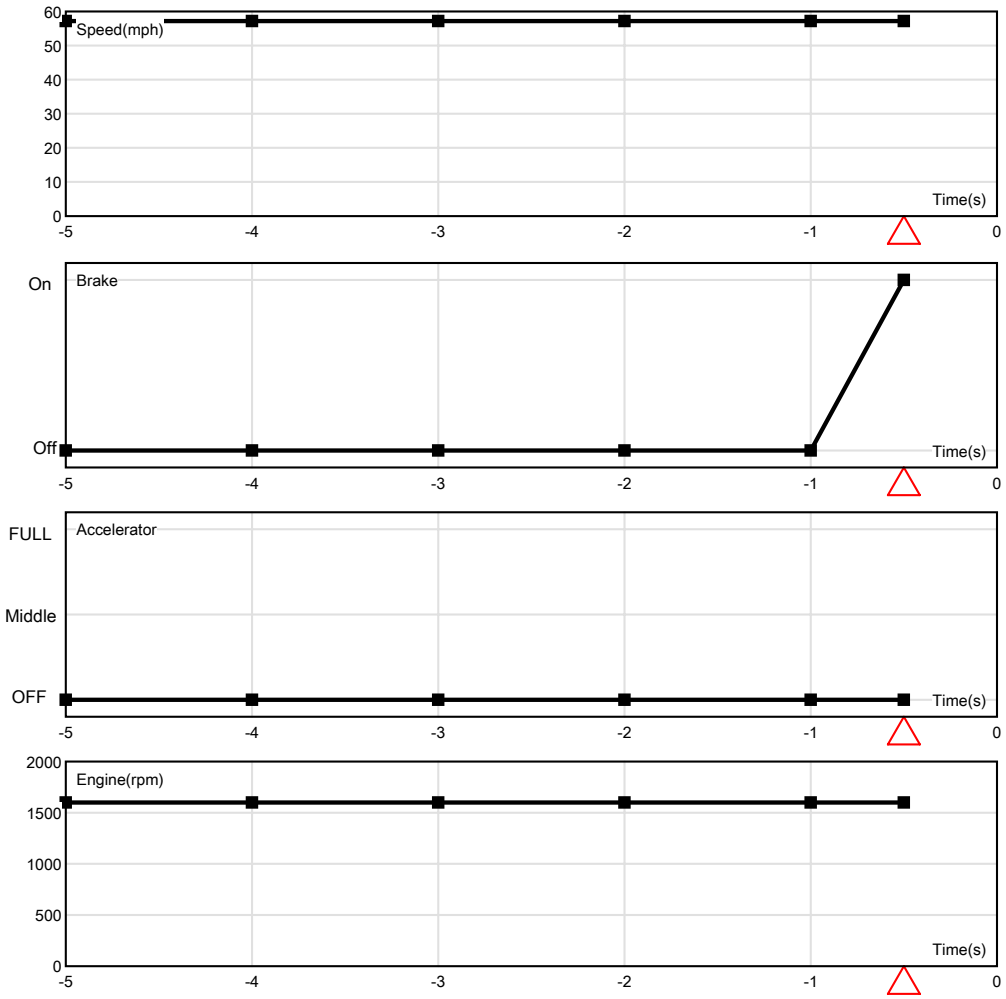
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0
	0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Child
Seat Position	: RM
Shift Position	: Other
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	57.2	57.2	57.2	57.2	57.2	57.2(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	ON
Accelerator	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1600	1600	1600	1600	1600	1600(rpm)

Time from Last PreCrash Data : 500(ms)

Case 48 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

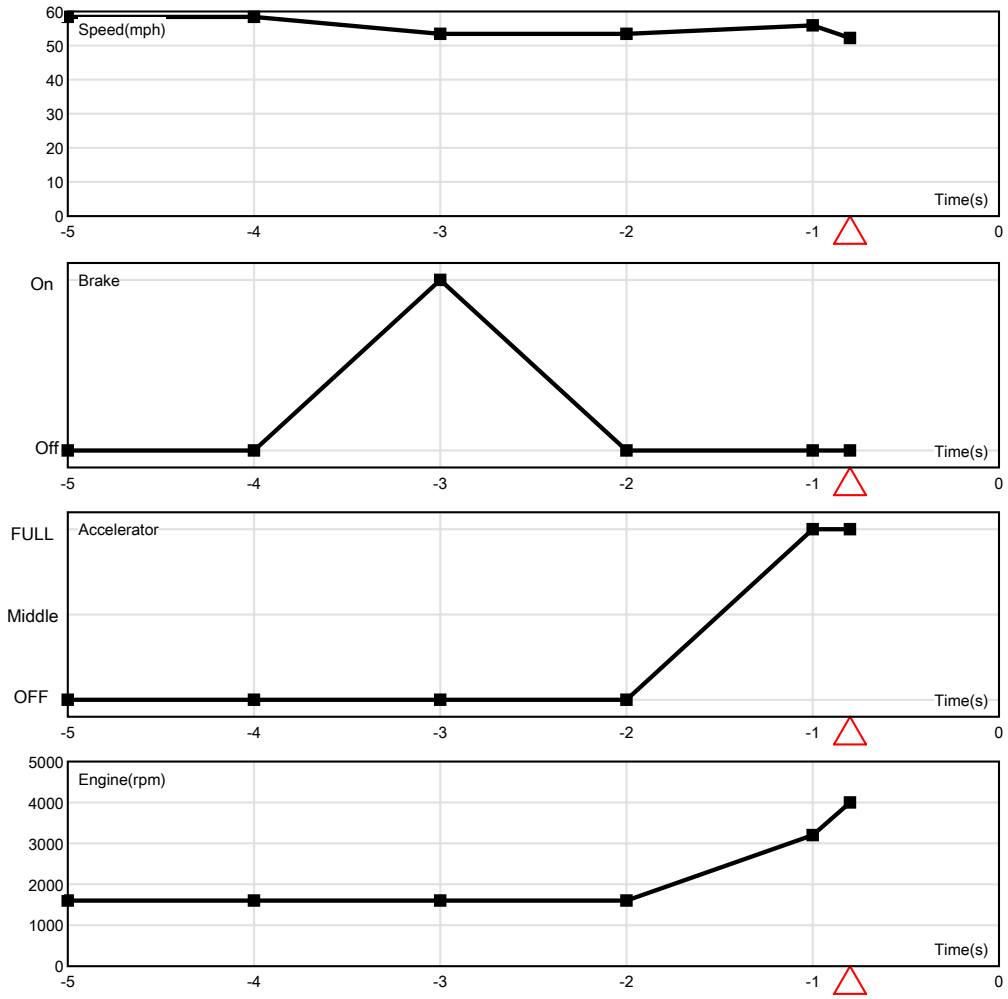
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: SABforDriver

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: NoLevel
Seat Position	: RM
Shift Position	: Other
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	58.4	58.4	53.4	53.4	55.9	52.2(mph)
Brake	:	OFF	OFF	ON	OFF	OFF	OFF
Accelerator	:	OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	1600	1600	1600	1600	3200	4000(rpm)

Time from Last PreCrash Data : 200(ms)

Case 48 Complete EDR Image

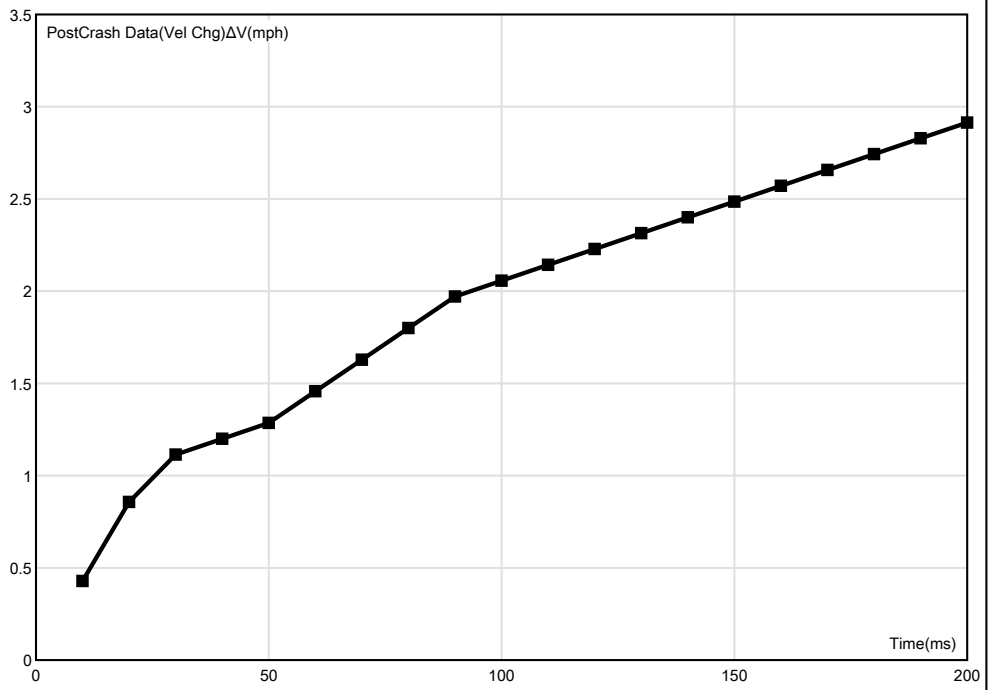
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 1.1(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	0.9
30	1.1
40	1.2
50	1.3
60	1.5
70	1.6
80	1.8
90	2.0
100	2.1
110	2.1
120	2.2
130	2.3
140	2.4
150	2.5
160	2.6
170	2.7
180	2.7
190	2.8
200	2.9

Case 48 Complete EDR Image

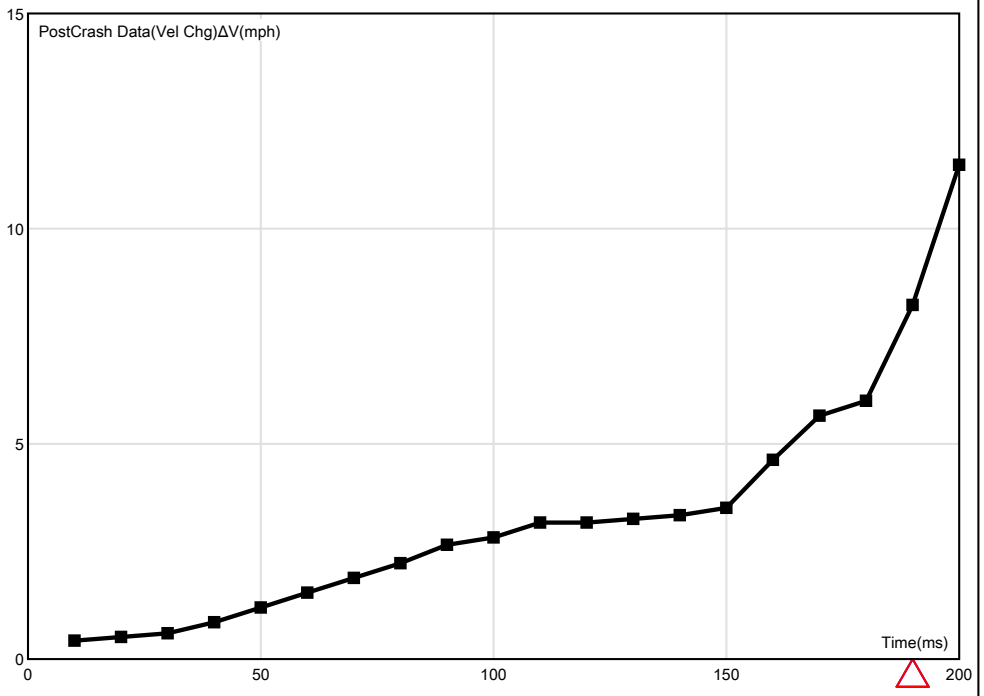
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 10.6(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 190(ms)
Pretensioner Deployment Time	: 190(ms)
Deployment Stage Driver	: High
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

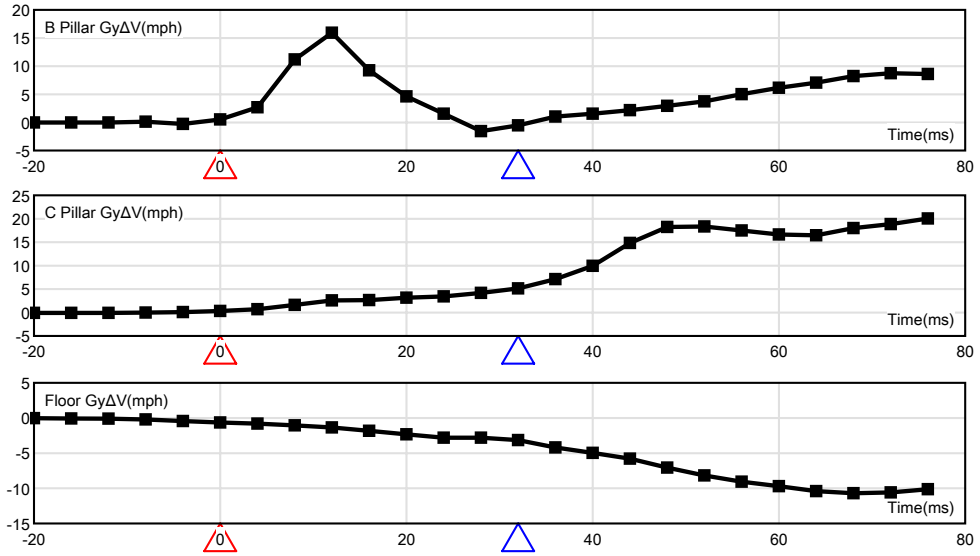
Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	0.5
30	0.6
40	0.9
50	1.2
60	1.5
70	1.9
80	2.2
90	2.7
100	2.8
110	3.2
120	3.2
130	3.3
140	3.3
150	3.5
160	4.6
170	5.7
180	6.0
190	8.2
200	11.5

Case 48 Complete EDR Image

Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 4(times)
Previous Event	: Lateral
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 152(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 32(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

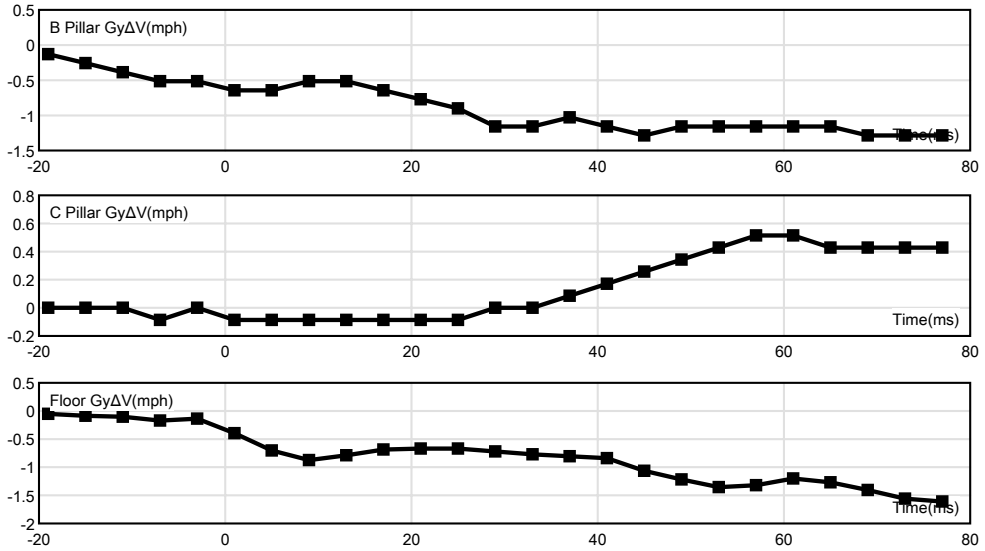
Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	-0.1	-0.0
-16	0.0	-0.1	-0.1
-12	0.0	-0.1	-0.1
-8	0.1	0.0	-0.2
-4	-0.3	0.1	-0.4
0	0.5	0.3	-0.6
4	2.7	0.7	-0.8
8	11.2	1.6	-1.0
12	15.9	2.6	-1.3
16	9.3	2.7	-1.8
20	4.6	3.2	-2.3
24	1.5	3.4	-2.8
28	-1.5	4.2	-2.8
32	-0.5	5.1	-3.1
36	1.0	7.1	-4.2
40	1.5	9.9	-5.0
44	2.2	14.8	-5.8
48	3.0	18.3	-7.1
52	3.7	18.3	-8.2
56	5.0	17.5	-9.1
60	6.2	16.6	-9.7
64	7.1	16.5	-10.4
68	8.2	18.0	-10.7
72	8.7	18.9	-10.6
76	8.6	20.1	-10.1

Case 48 Complete EDR Image

Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)



Side Crash Page.1

Time from TRG to Initial G	: 1(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 3(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.1
Time from Pre Crash TRG	: 11(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting

Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-19	-0.1	0.0	-0.1
-15	-0.3	0.0	-0.1
-11	-0.4	0.0	-0.1
-7	-0.5	-0.1	-0.2
-3	-0.5	0.0	-0.1
1	-0.6	-0.1	-0.4
5	-0.6	-0.1	-0.7
9	-0.5	-0.1	-0.9
13	-0.5	-0.1	-0.8
17	-0.6	-0.1	-0.7
21	-0.8	-0.1	-0.7
25	-0.9	-0.1	-0.7
29	-1.2	0.0	-0.7
33	-1.2	0.0	-0.8
37	-1.0	0.1	-0.8
41	-1.2	0.2	-0.8
45	-1.3	0.3	-1.1
49	-1.2	0.3	-1.2
53	-1.2	0.4	-1.4
57	-1.2	0.5	-1.3
61	-1.2	0.5	-1.2
65	-1.2	0.4	-1.3
69	-1.3	0.4	-1.4
73	-1.3	0.4	-1.6
77	-1.3	0.4	-1.6

Case 48 Complete EDR Image

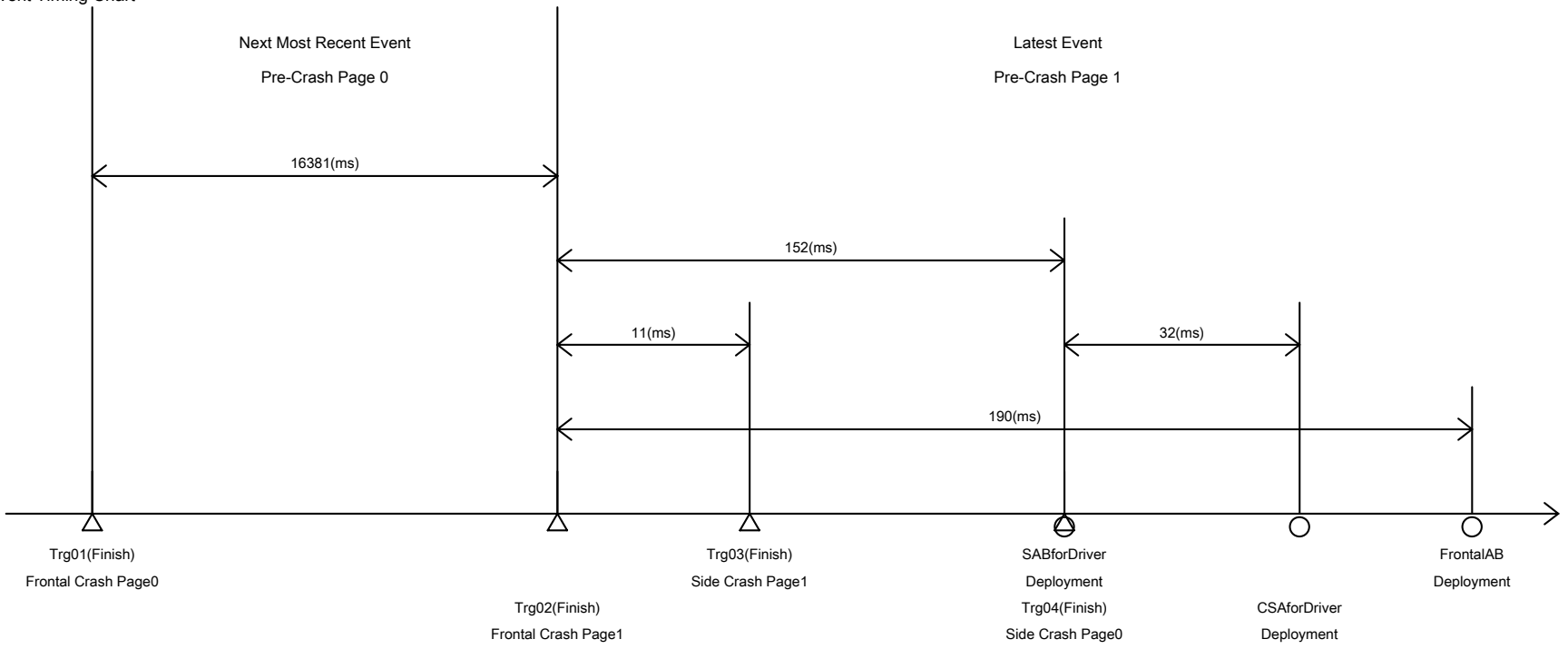
Entire Event Graph

Entire Event Table

FinishWritingMode WritingMode ErrorMode

Event	PreCrashPage	Trigger	CrashPage & Deployment	Time	PreviousEvent	TimingChart
Next Most Recent Event	Page0	Trg01(Finish)	Frontal Crash Page0	0(ms)	No Event	OnChart
Latest Event	Page1	Trg02(Finish)	Frontal Crash Page1	0(ms)	No Event	OnChart
			FrontalAB Deployment	190(ms)		OnChart
			Pretensioner Deployment	190(ms)		(SameTime)
		Trg03(Finish)	Side Crash Page1	11(ms)	Frontal Crash	OnChart
		Trg04(Finish)	Side Crash Page0	152(ms)	Side Crash	OnChart
			SABforDriver Deployment	0(ms)		OnChart
			CSAforDriver Deployment	32(ms)		OnChart

Entire Event Timing Chart



Case 49

Vehicle MY - Model: 2010 Corolla

Incident Location: Roadway / Intersection

Inspection Prompted by: Complainant stated: While approaching a stop sign with his foot on the brake, vehicle suddenly accelerated and crashed into a fence.

Incident Synopsis: Approached stop sign; Traversed intersection, entered parking lot, traversed lawn, struck fence

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 49 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC
Safing Left OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right ON	CentralB CentralC
Safing Right OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Discrimination Left ON	
Discrimination Left OFF	bp cpHighG cpLowG CCU1Y
Discrimination Right ON	
Discrimination Right OFF	bp cpHighG cpLowG CCU1Y
Recorded Ama Side	RightSide
Deployment judgment Side	NonSide
Deployment Enabled	OFF
NewPage	2 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 49 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

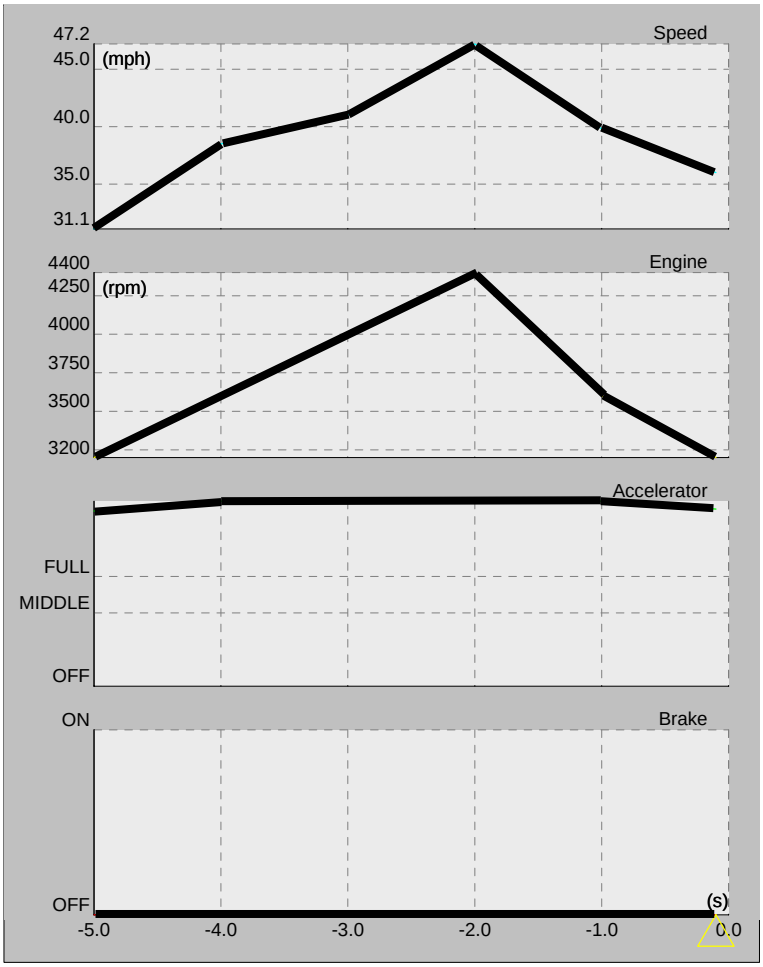
Graph Data

Latest/Frozen	BANK2

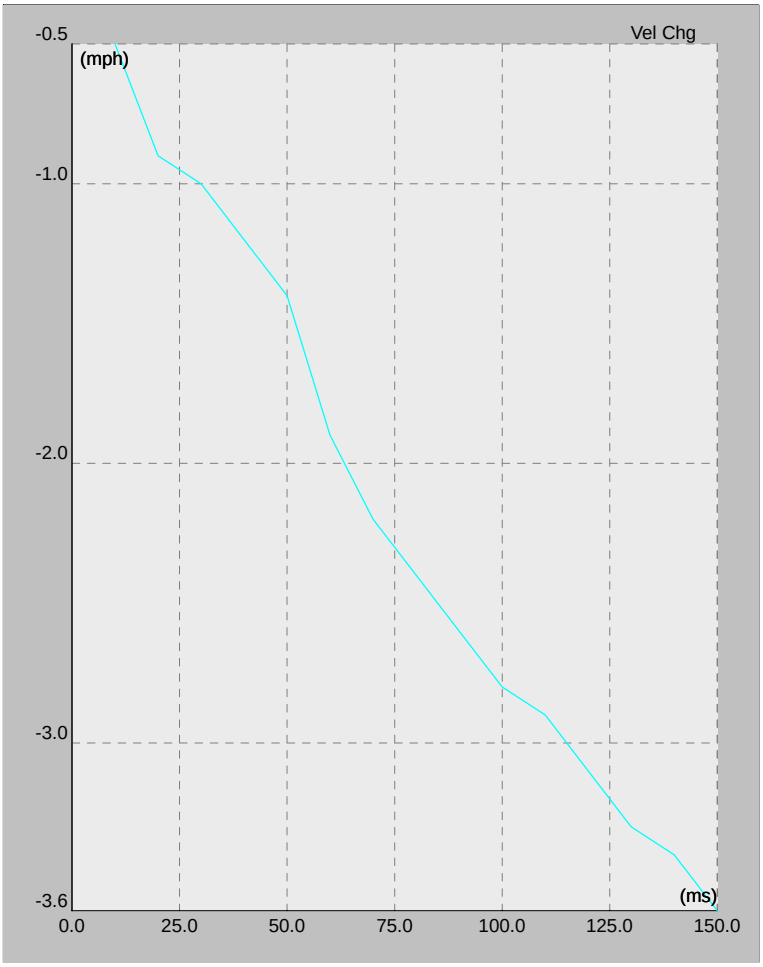
Individual Data

Data Name	Data
Time From Previous Event	900 ms
Time From Last PreCrash Data	900 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	3
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	31.1	3200	3.59(FULI	OFF	-0.1	36.0	3200	3.63(FULI	OFF
-4.0	38.5	3600	3.79(FULI	OFF					
-3.0	41.0	4000	3.79(FULI	OFF					
-2.0	47.2	4400	3.79(FULI	OFF					
-1.0	39.8	3600	3.79(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.5	60.0	-1.9	110.0	-2.9
20.0	-0.9	70.0	-2.2	120.0	-3.1
30.0	-1.0	80.0	-2.4	130.0	-3.3
40.0	-1.2	90.0	-2.6	140.0	-3.4
50.0	-1.4	100.0	-2.8	150.0	-3.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 49 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

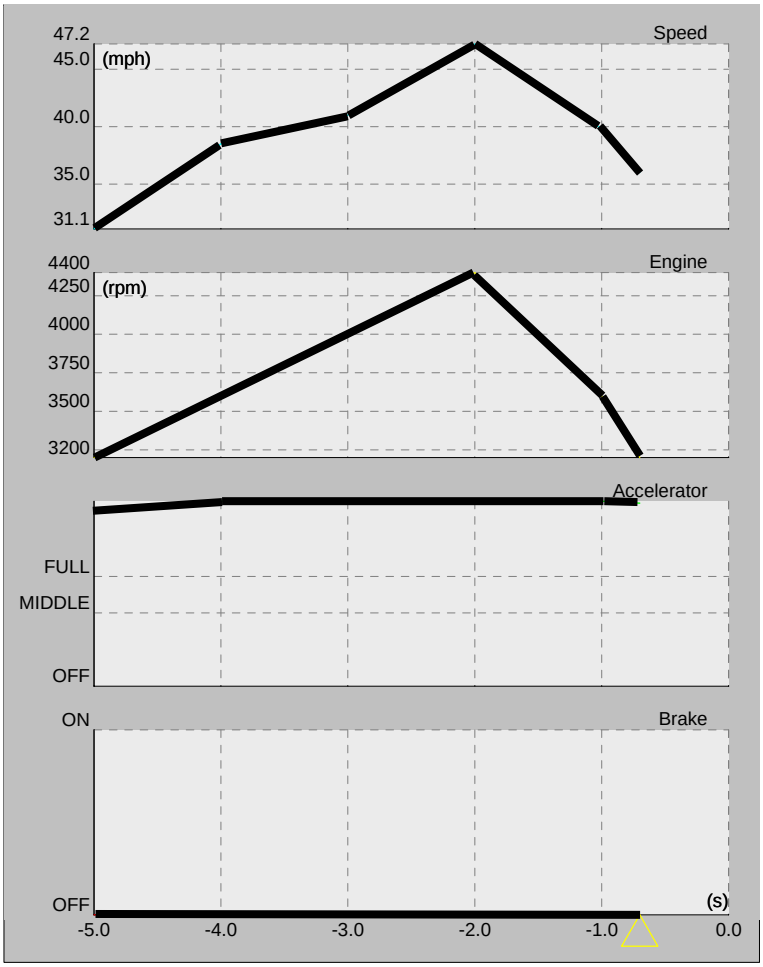
Graph Data

Next most recent	BANK1

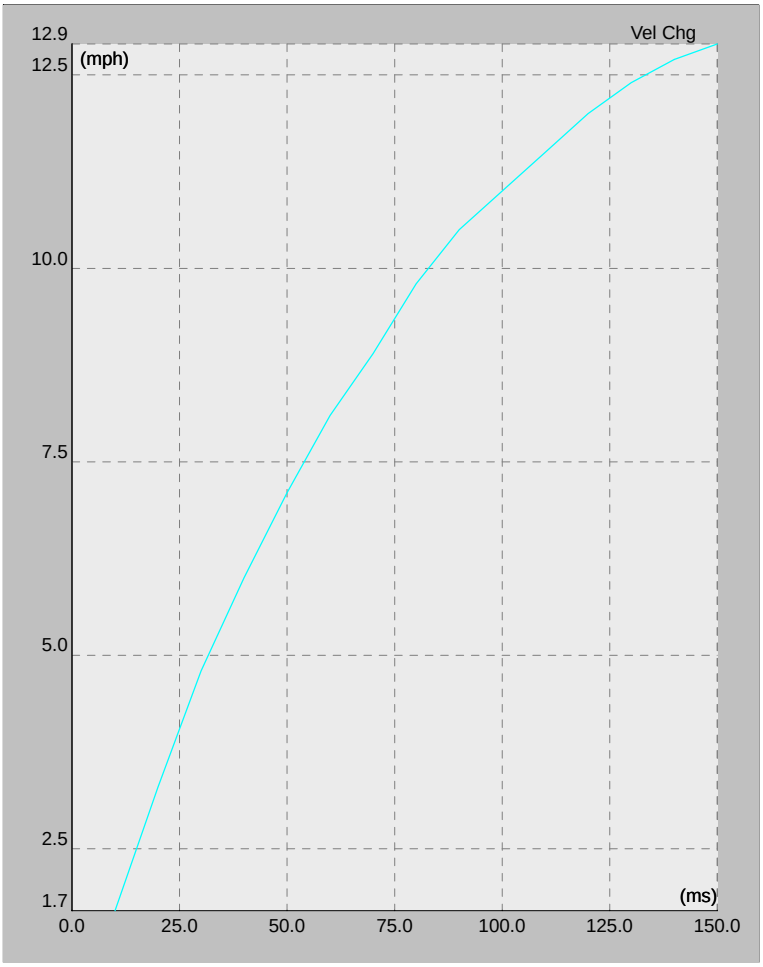
Individual Data

Data Name	Data
Time From Previous Event	300 ms
Time From Last PreCrash Data	300 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	2
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	31.1	3200	3.59(FULI	OFF	-0.7	36.0	3200	3.75(FULI	OFF
-4.0	38.5	3600	3.79(FULI	OFF					
-3.0	41.0	4000	3.79(FULI	OFF					
-2.0	47.2	4400	3.79(FULI	OFF					
-1.0	39.8	3600	3.79(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	1.7	60.0	8.1	110.0	11.5
20.0	3.3	70.0	8.9	120.0	12.0
30.0	4.8	80.0	9.8	130.0	12.4
40.0	6.0	90.0	10.5	140.0	12.7
50.0	7.1	100.0	11.0	150.0	12.9

PROTOTYPE READOUT TOOL REPORT

Event Data

Case 49 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

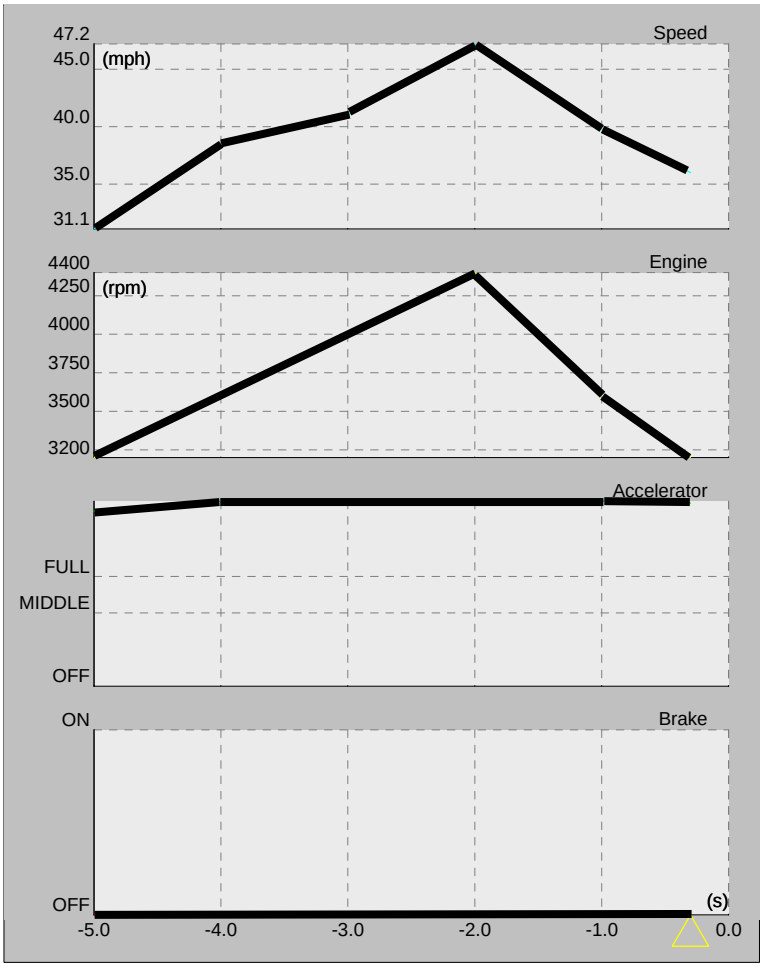
Graph Data

Past max. DeltaV	BANK0

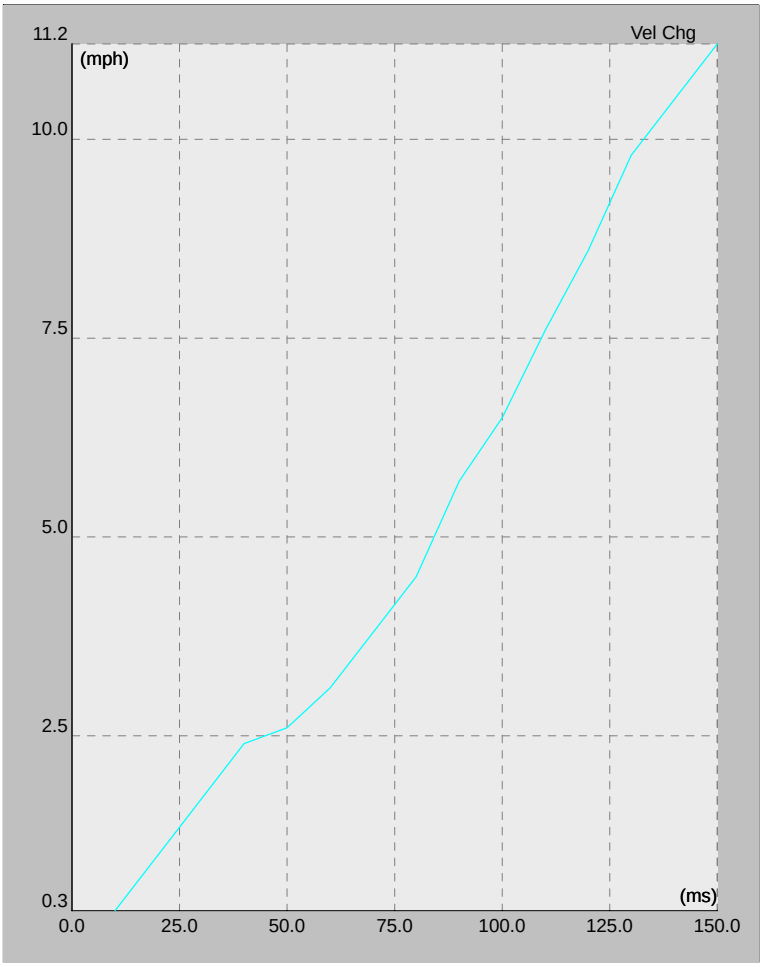
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	700 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	31.1	3200	3.59(FULI	OFF	-0.3	36.0	3200	3.75(FULI	OFF
-4.0	38.5	3600	3.79(FULI	OFF					
-3.0	41.0	4000	3.79(FULI	OFF					
-2.0	47.2	4400	3.79(FULI	OFF					
-1.0	39.8	3600	3.79(FULI	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	3.1	110.0	7.6
20.0	1.0	70.0	3.8	120.0	8.6
30.0	1.7	80.0	4.5	130.0	9.8
40.0	2.4	90.0	5.7	140.0	10.5
50.0	2.6	100.0	6.5	150.0	11.2

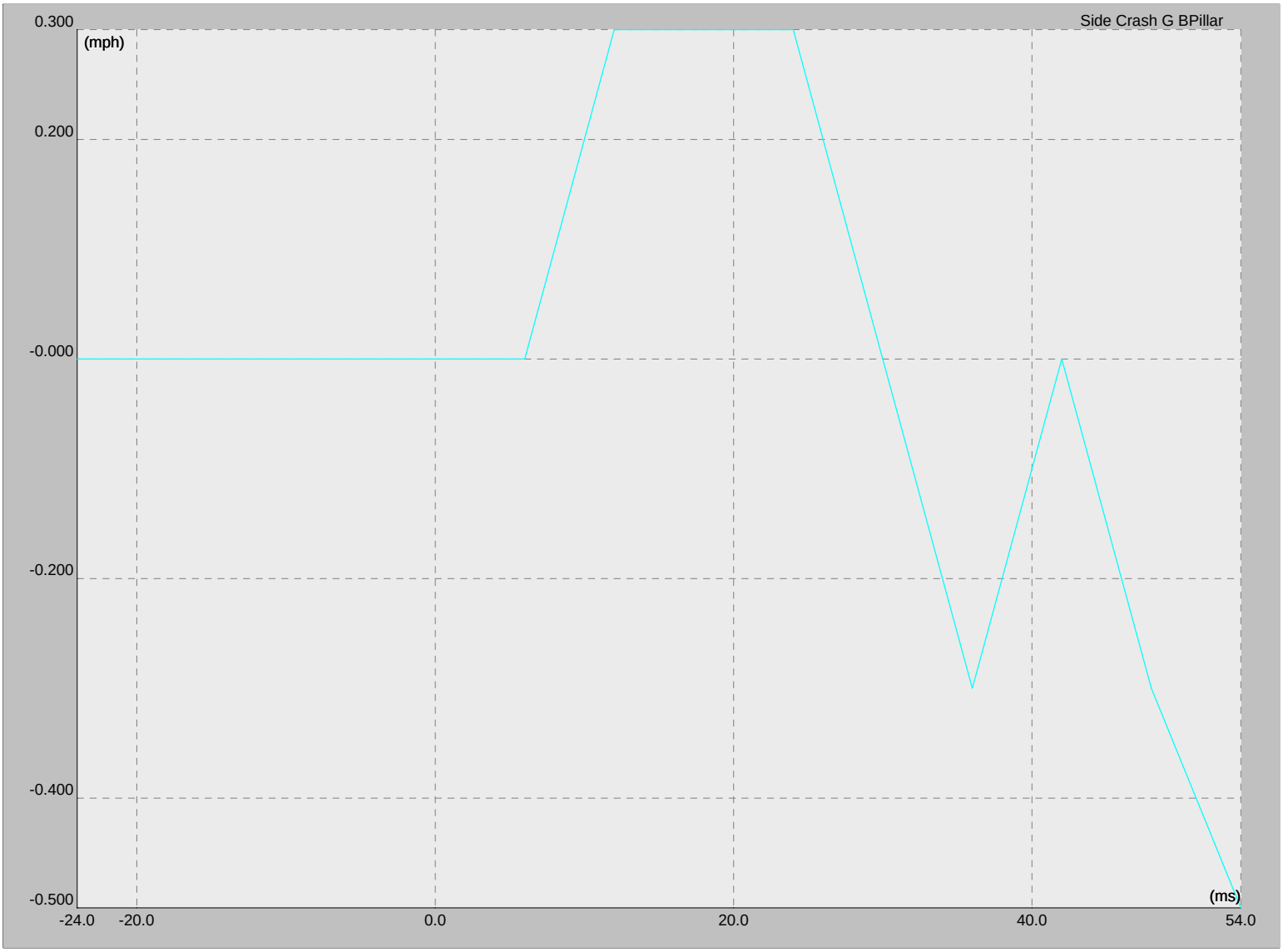
PROTOTYPE READOUT TOOL REPORT

Event Data **Case 49 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	0.0
-18.0	0.0
-12.0	0.0
-6.0	0.0
0.0	0.0
6.0	0.0
12.0	0.3
18.0	0.3
24.0	0.3
30.0	0.0
36.0	-0.3
42.0	0.0
48.0	-0.3
54.0	-0.5

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 49 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	0.0
-18.0	0.2
-12.0	0.2
-6.0	0.0
0.0	0.2
6.0	0.0
12.0	0.0
18.0	-0.2
24.0	-0.2
30.0	-0.5
36.0	-0.7
42.0	-0.5
48.0	-0.9
54.0	-1.0

PROTOTYPE READOUT TOOL REPORT

Event Data **Case 49 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	AA_DH
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2010
VIN NUMBER	JT1BU4EE5AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	0.0
-18.0	0.0
-12.0	0.0
-6.0	-0.2
0.0	-0.2
6.0	0.2
12.0	0.6
18.0	1.2
24.0	1.2
30.0	0.8
36.0	0.8
42.0	0.8
48.0	0.8
54.0	0.6

Case 50

Vehicle MY - Model: 2010 Camry

Incident Location: Parking Lot

Inspection Prompted by: Media indicated a potential unintended acceleration incident

Incident Synopsis: Driving in commercial parking lot; Climbed curb, struck parked vehicles

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 2

Case 50 Complete EDR Image

Next Most Recent Pre-Crash Page.0

User Data

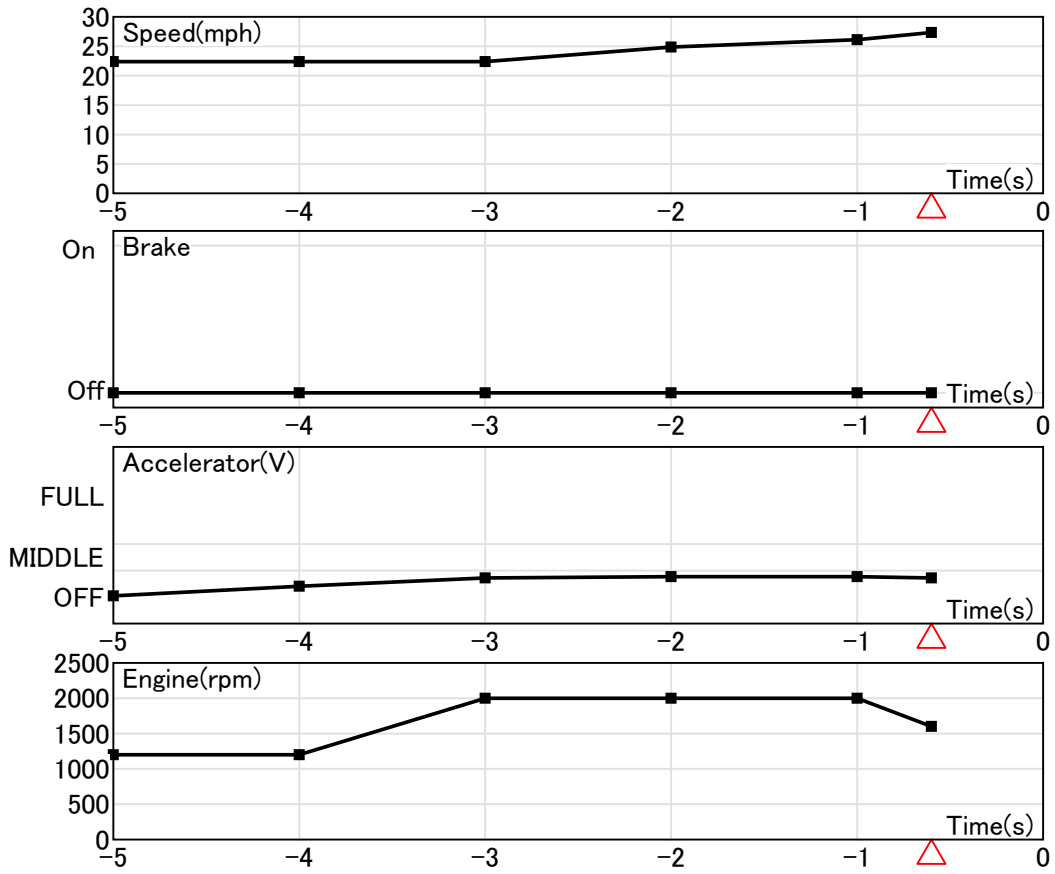
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AF05
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	22.4	22.4	22.4	24.9	26.1	27.3(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	1.05	1.29	1.33	1.33	1.29(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	1200	1200	2000	2000	2000	1600(rpm)

Time from Last PreCrash Data : 400(ms)

Case 50 Complete EDR Image

Latest Pre-Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

System Information

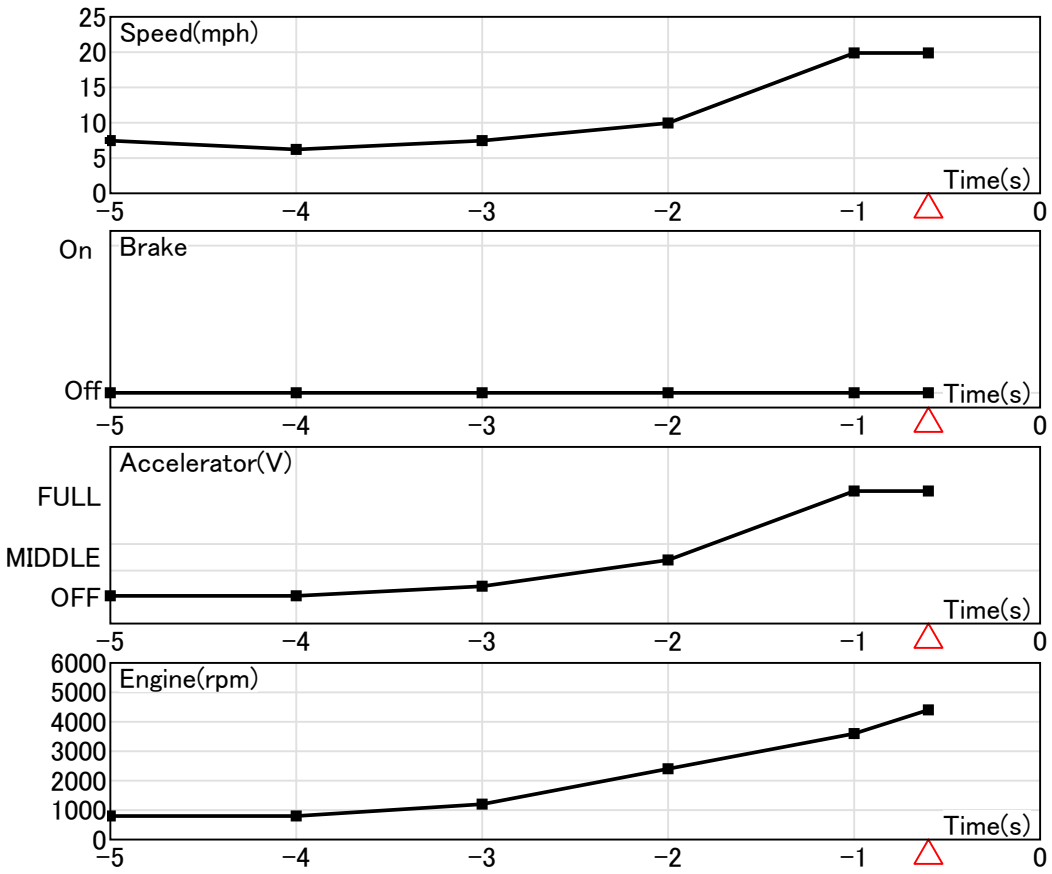
Page No.of Latest PreCrash Data	: Page.1
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: Freeze
AB Deployment Flag	: Pretensioner

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: Belted
Occupant Detection	: AM50
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	7.5	6.2	7.5	9.9	19.9	19.9(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	1.05	1.80	3.75	3.75(V)
		OFF	OFF	OFF	MIDDLE	FULL	FULL
Engine	:	800	800	1200	2400	3600	4400(rpm)

Time from Last PreCrash Data : 400(ms) △

Case 50 Complete EDR Image

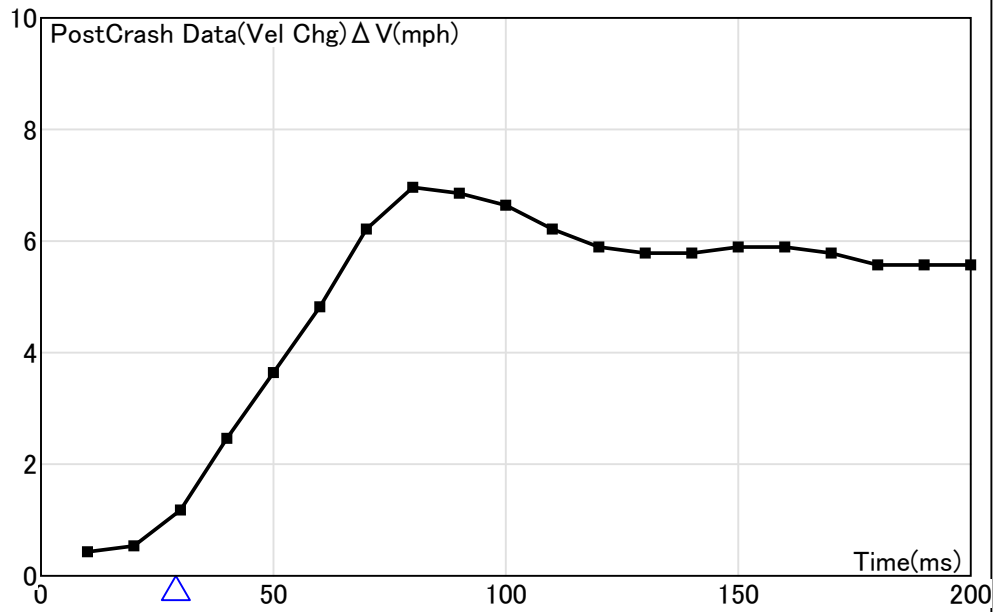
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 5.2(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 2(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.1
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: 29(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	0.5
30	1.2
40	2.5
50	3.6
60	4.8
70	6.2
80	7.0
90	6.9
100	6.6
110	6.2
120	5.9
130	5.8
140	5.8
150	5.9
160	5.9
170	5.8
180	5.6
190	5.6
200	5.6

Case 50 Complete EDR Image

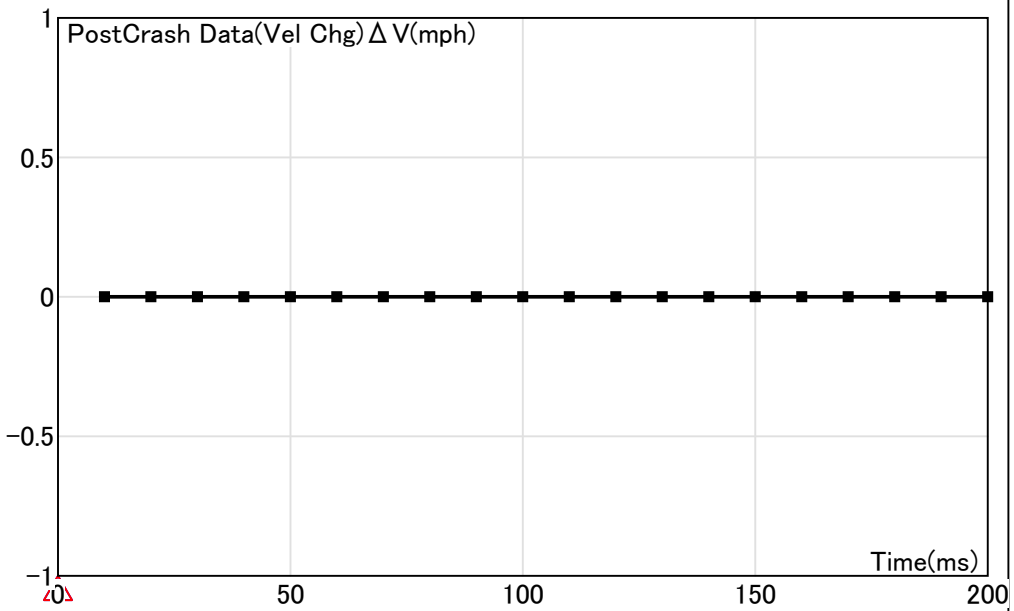
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 50 Complete EDR Image

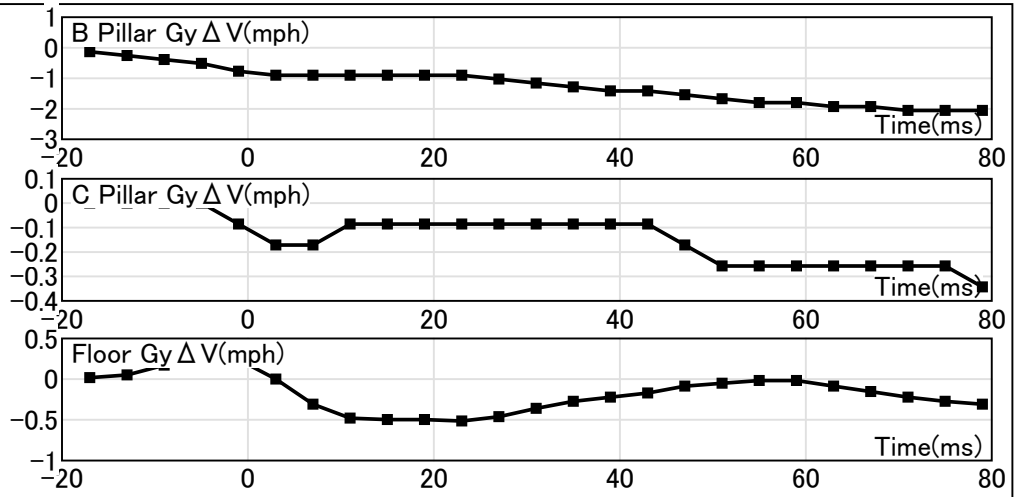
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 3(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: NotFired
Deployment Time(C-Pillar)	: NotFired
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-17	-0.1	0.0	0.0
-13	-0.3	0.0	0.1
-9	-0.4	0.0	0.2
-5	-0.5	0.0	0.3
-1	-0.8	-0.1	0.2
3	-0.9	-0.2	0.0
7	-0.9	-0.2	-0.3
11	-0.9	-0.1	-0.5
15	-0.9	-0.1	-0.5
19	-0.9	-0.1	-0.5
23	-0.9	-0.1	-0.5
27	-1.0	-0.1	-0.5
31	-1.2	-0.1	-0.4
35	-1.3	-0.1	-0.3
39	-1.4	-0.1	-0.2
43	-1.4	-0.1	-0.2
47	-1.5	-0.2	-0.1
51	-1.7	-0.3	-0.1
55	-1.8	-0.3	-0.0
59	-1.8	-0.3	-0.0
63	-1.9	-0.3	-0.1
67	-1.9	-0.3	-0.2
71	-2.1	-0.3	-0.2
75	-2.1	-0.3	-0.3
79	-2.1	-0.3	-0.3

Case 50 Complete EDR Image

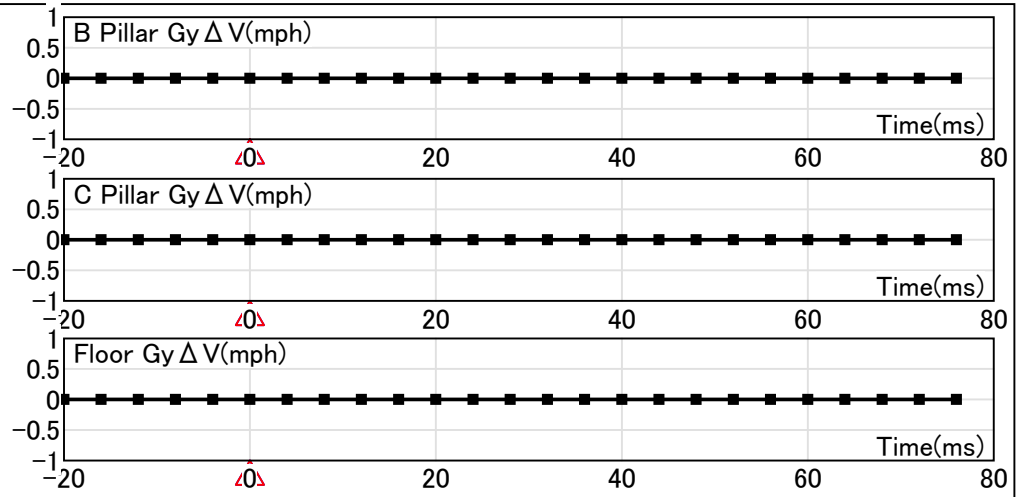
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]camry
Model Year	: 2010
VIN Number	:
ECU No	: 33491
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 51

Vehicle MY - Model: 2007 Camry

Incident Location: Parking Space

Inspection Prompted by: Complainant stated: While driving 5 mph, attempted to park the vehicle, engaged the brakes, and the vehicle accelerated. Engaged the brake with additional force , however crashed into a concrete block.

Incident Synopsis: Pulling into parking space; Struck concrete sign base

Observation: EDR Pre-Crash Data Indicate: No brake application

See Page 1

Case 51 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

System Information

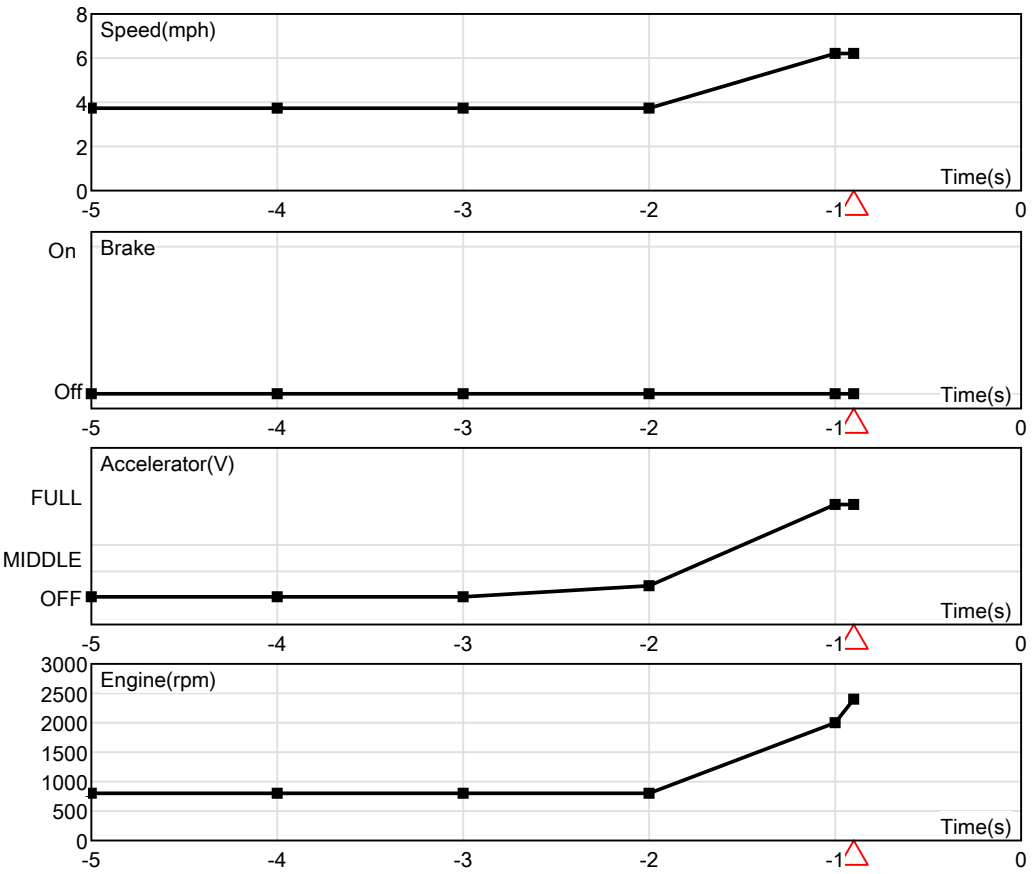
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 16381(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: Belted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: RM
Shift Position	: Others
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	3.7	3.7	3.7	3.7	6.2	6.2(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.78	0.78	0.78	1.09	3.40	3.40(V)
		OFF	OFF	OFF	OFF	FULL	FULL
Engine	:	800	800	800	800	2000	2400(rpm)

Time from Last PreCrash Data : 100(ms)

Case 51 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

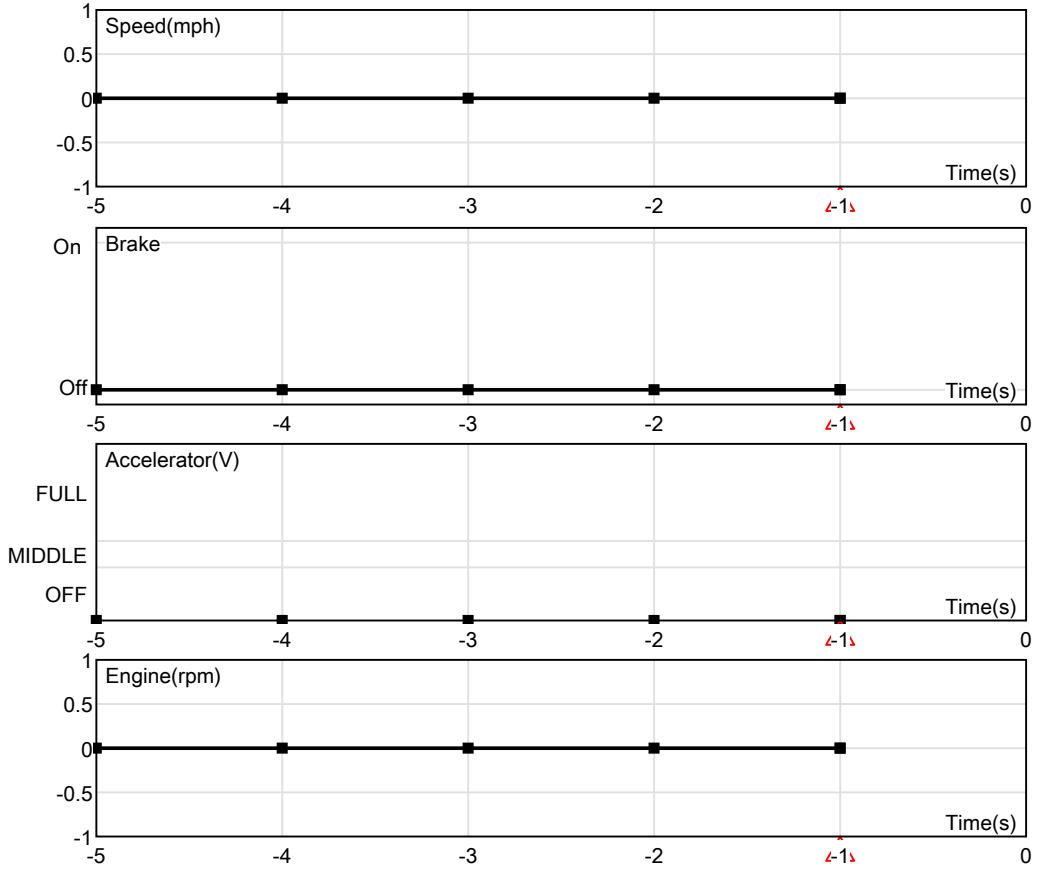
RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: FinishedWriting

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: FinishedWriting



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms)

Case 51 Complete EDR Image

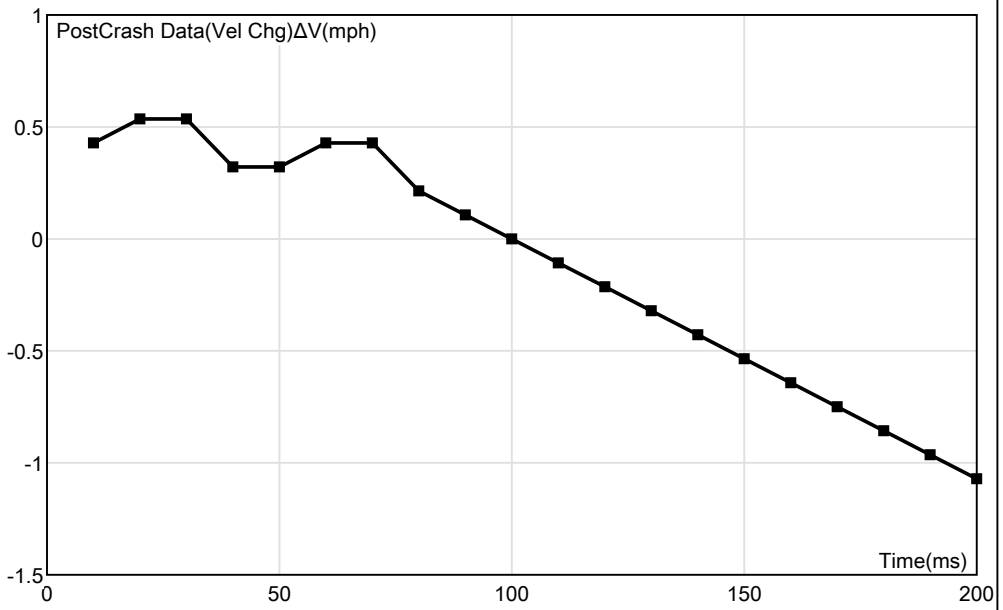
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.3(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 1(times)
Previous Event	: NoEvent
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: NotFired
Pretensioner Deployment Time	: NotFired
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.4
20	0.5
30	0.5
40	0.3
50	0.3
60	0.4
70	0.4
80	0.2
90	0.1
100	0.0
110	-0.1
120	-0.2
130	-0.3
140	-0.4
150	-0.5
160	-0.6
170	-0.7
180	-0.9
190	-1.0
200	-1.1

Case 51 Complete EDR Image

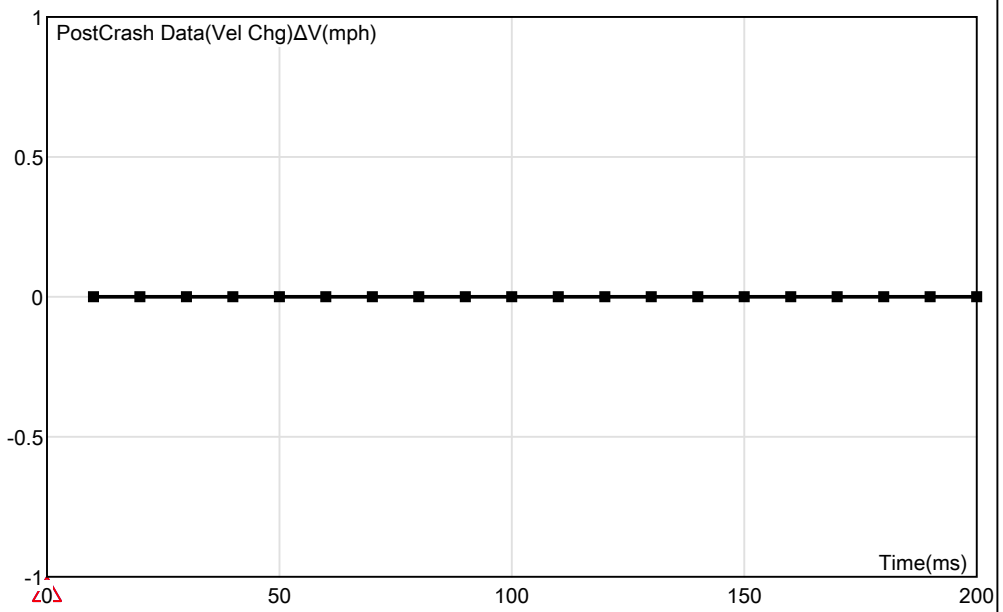
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms)
Pretensioner Deployment Time	: 0(ms)
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case 51 Complete EDR Image

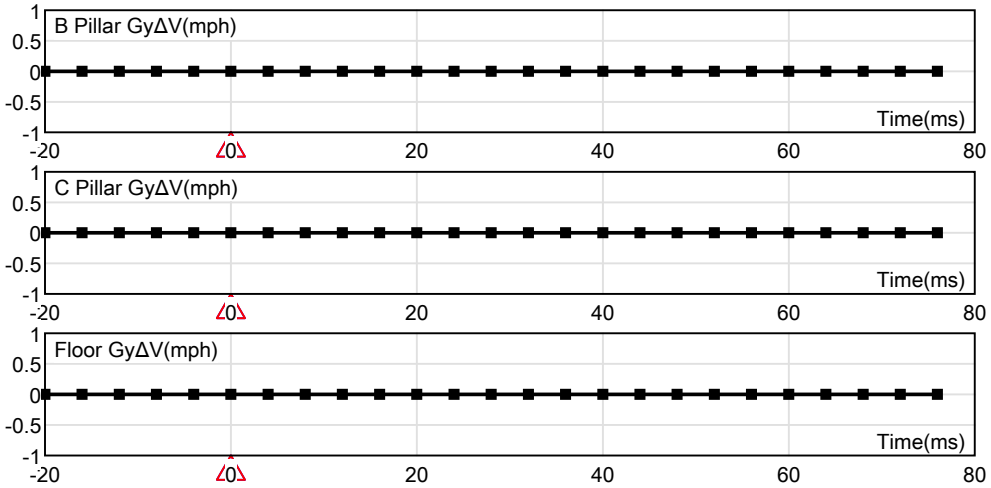
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case 51 Complete EDR Image

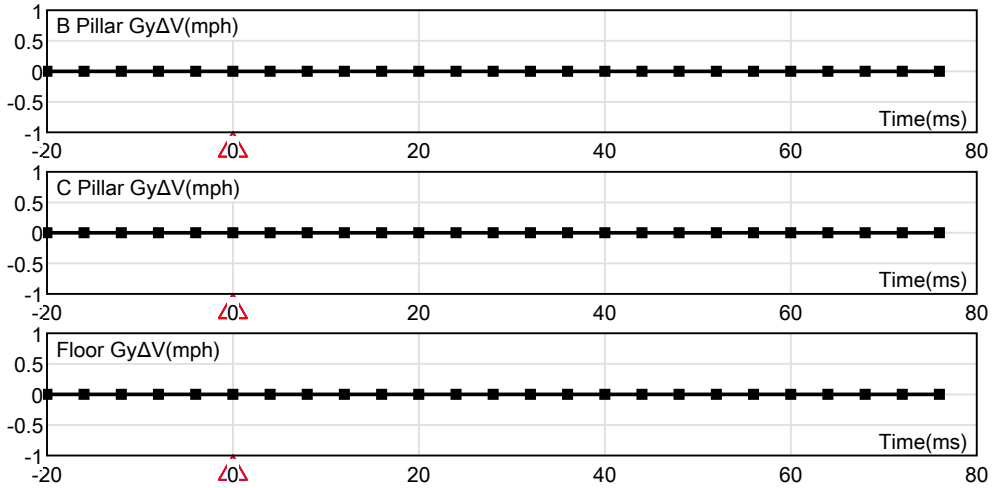
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted] 2010
Investigator	:
Accident Date	:
Vehicle	:
Model Year	:
VIN Number	:
ECU No	: 33490
COMMTYPE	: SIL(ISO9141)

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: FinishedWriting
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms)
Deployment Time(C-Pillar)	: 0(ms)
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: FinishedWriting



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
-20	0.0	0.0	0.0
-16	0.0	0.0	0.0
-12	0.0	0.0	0.0
-8	0.0	0.0	0.0
-4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0
76	0.0	0.0	0.0

Case A1

Vehicle MY - Model: 2009 Corolla

Incident Location: Roadway

Inspection Prompted by: Police contact alleged a potential unintended acceleration incident

Incident Synopsis: Rode up on curb, struck spot light, another vehicle, rolled over, struck another vehicle.

Observation: EDR data still under review to appropriately reconcile it with the incident scene

See Page 2

PROTOTYPE READOUT TOOL REPORT

Event Data **Case A1 Complete EDR Image.pdf**

INVESTIGATION DATE	[redacted]0/2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC
Safing Left OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right ON	
Safing Right OFF	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Discrimination Left ON	
Discrimination Left OFF	bp cpHighG cpLowG CCU1Y
Discrimination Right ON	
Discrimination Right OFF	bp cpHighG cpLowG CCU1Y
Recorded Ama Side	LeftSide
Deployment judgment Side	NonSide
Deployment Enabled	OFF
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case A1 Complete EDR Image.pdf

INVESTIGATION DATE	[redacted]0/2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

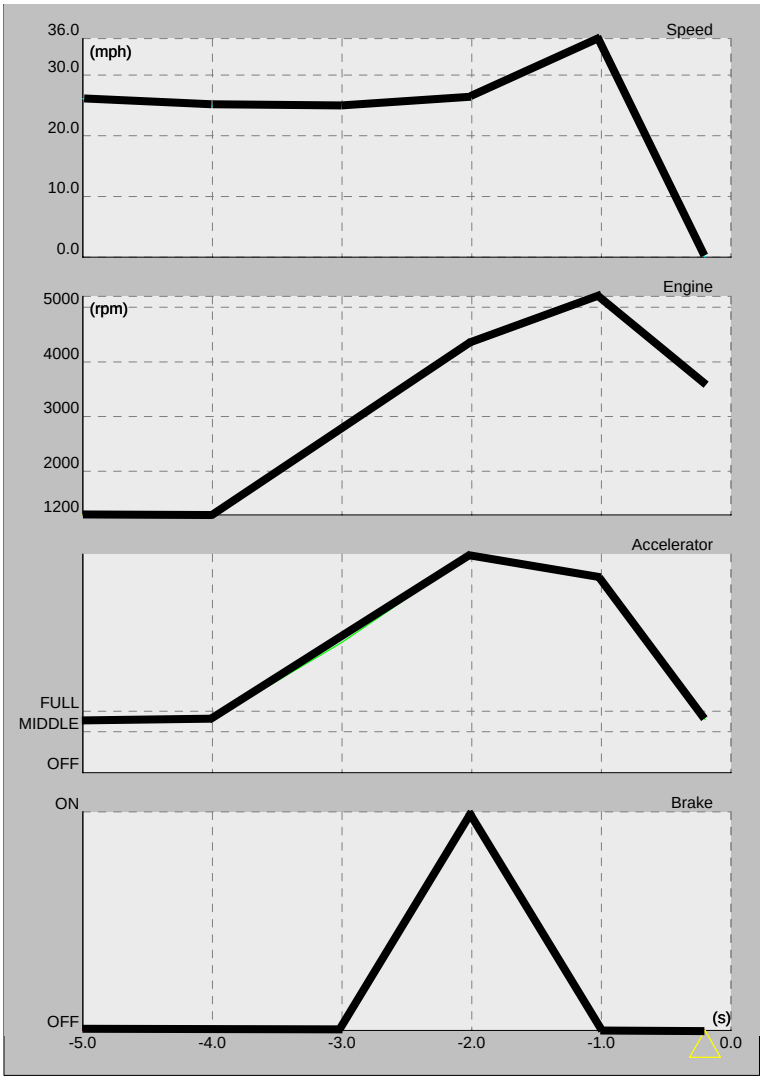
Graph Data

Latest/Frozen	BANK0
Record Status	Recorded

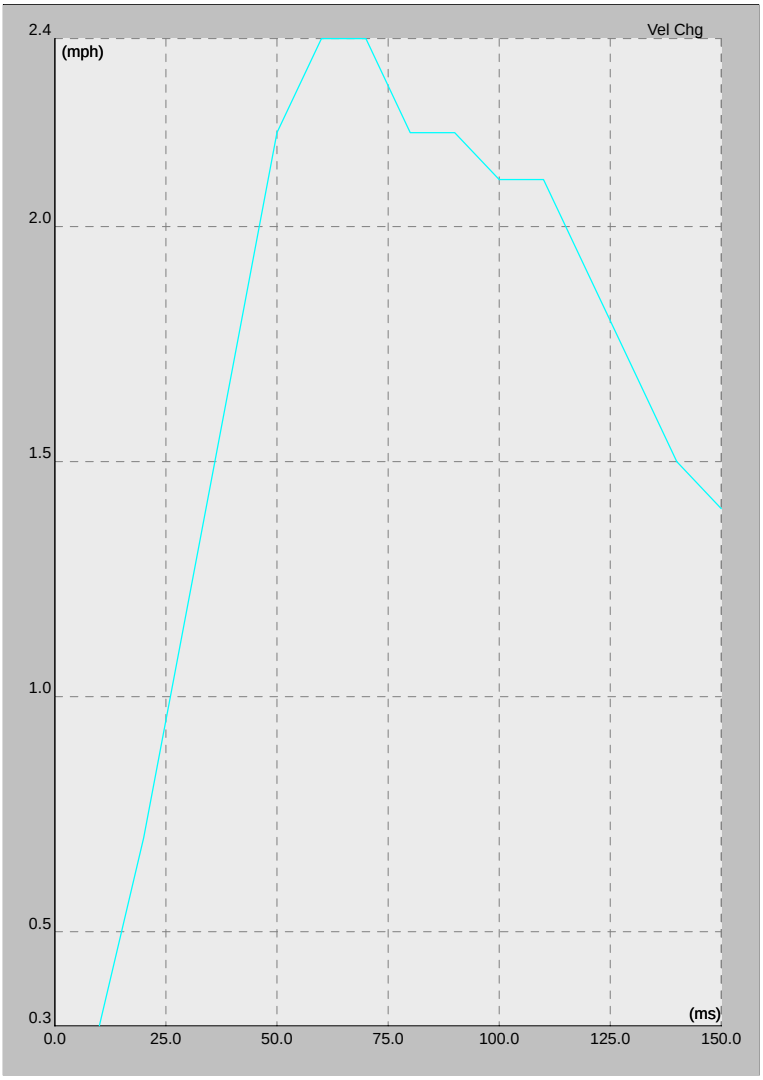
Individual Data

Data Name	Data
Time From Previous Event	780 ms
Time From Last PreCrash Data	800 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	AM50
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	4
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake	s	Speed	Engine	Accelerator	Brake
-5.0	26.1	1200	0.78(MIDDL	OFF	-0.2	0.0	3600	0.78(MIDDL	OFF
-4.0	24.9	1200	0.78(MIDDL	OFF					
-3.0	24.9	2800	1.91(FULL)	OFF					
-2.0	26.1	4400	3.20(FALSE	ON					
-1.0	36.0	5200	2.85(FALSE	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	2.4	110.0	2.1
20.0	0.7	70.0	2.4	120.0	1.9
30.0	1.2	80.0	2.2	130.0	1.7
40.0	1.7	90.0	2.2	140.0	1.5
50.0	2.2	100.0	2.1	150.0	1.4

PROTOTYPE READOUT TOOL REPORT

Event Data

Case A1 Complete EDR Image.pdf

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

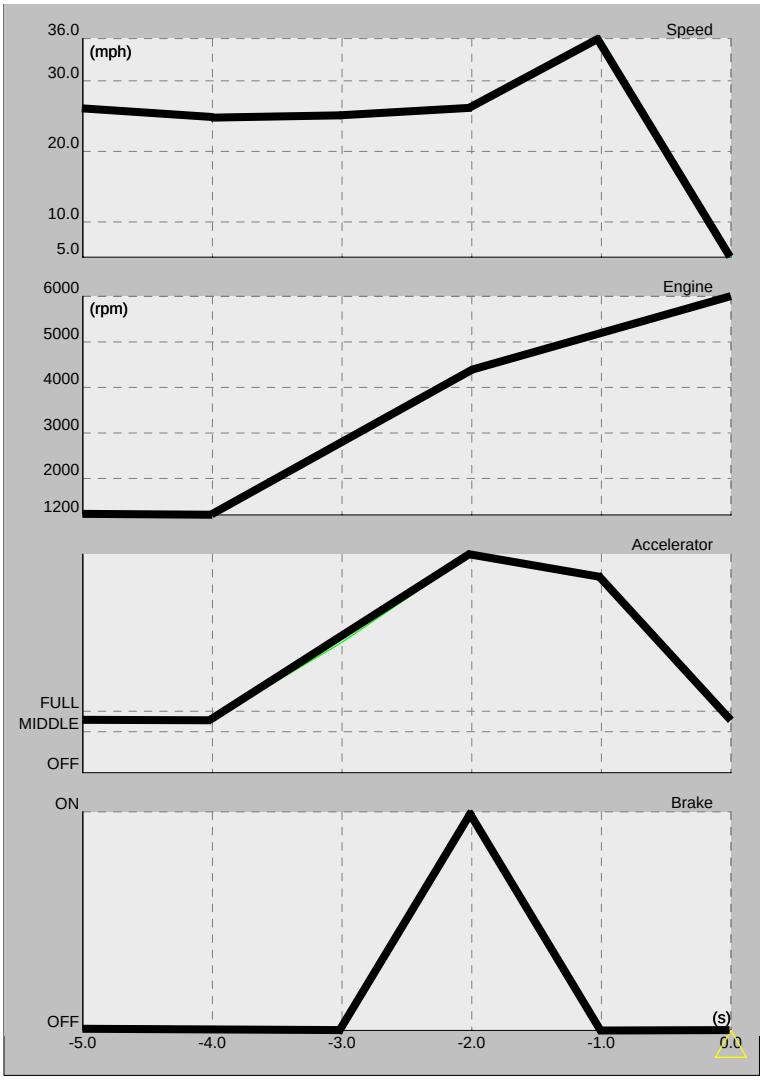
Graph Data

Next most recent	BANK2
Record Status	Recorded

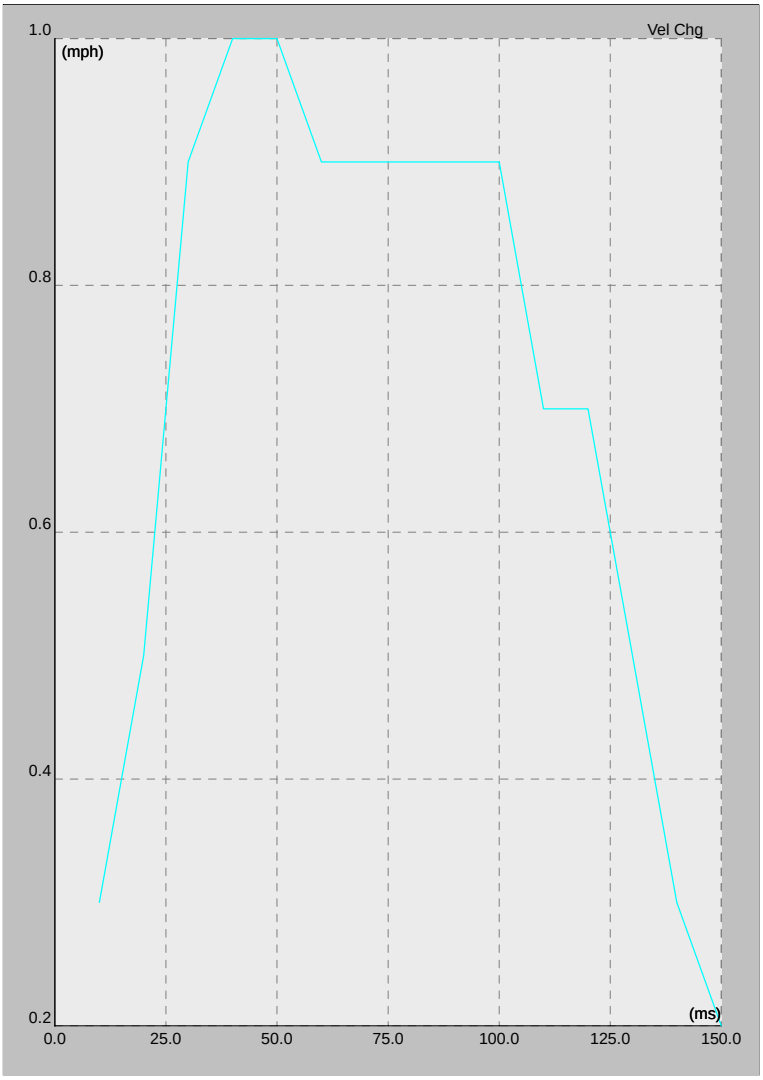
Individual Data

Data Name	Data
Time From Previous Event	1000 ms
Time From Last PreCrash Data	1000 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	AM50
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	3
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake	s	Speed	Engine	Accelerator	Brake
-5.0	26.1	1200	0.78(MIDDL	OFF	0.0	5.0	6000	0.78(MIDDL	OFF
-4.0	24.9	1200	0.78(MIDDL	OFF					
-3.0	24.9	2800	1.91(FULL)	OFF					
-2.0	26.1	4400	3.20(FALSE	ON					
-1.0	36.0	5200	2.85(FALSE	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	0.9	110.0	0.7
20.0	0.5	70.0	0.9	120.0	0.7
30.0	0.9	80.0	0.9	130.0	0.5
40.0	1.0	90.0	0.9	140.0	0.3
50.0	1.0	100.0	0.9	150.0	0.2

PROTOTYPE READOUT TOOL REPORT

Event Data

Case A1 Complete EDR Image.pdf

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

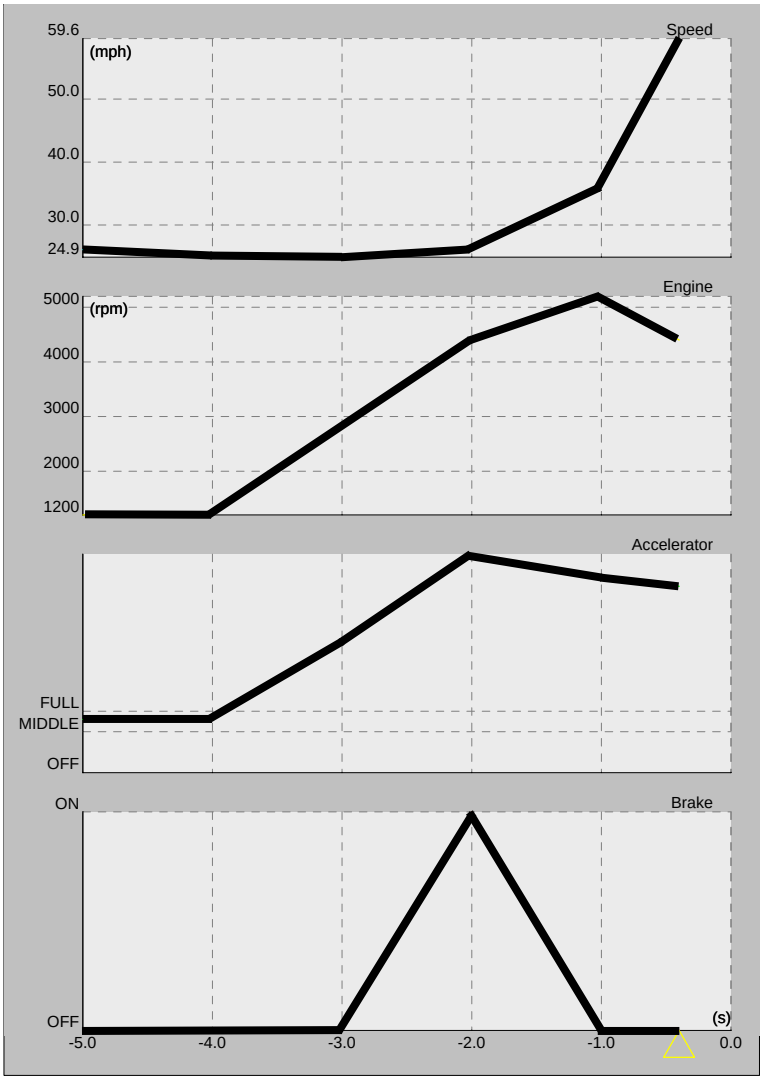
Graph Data

Past max. DeltaV	BANK1
Record Status	Recorded

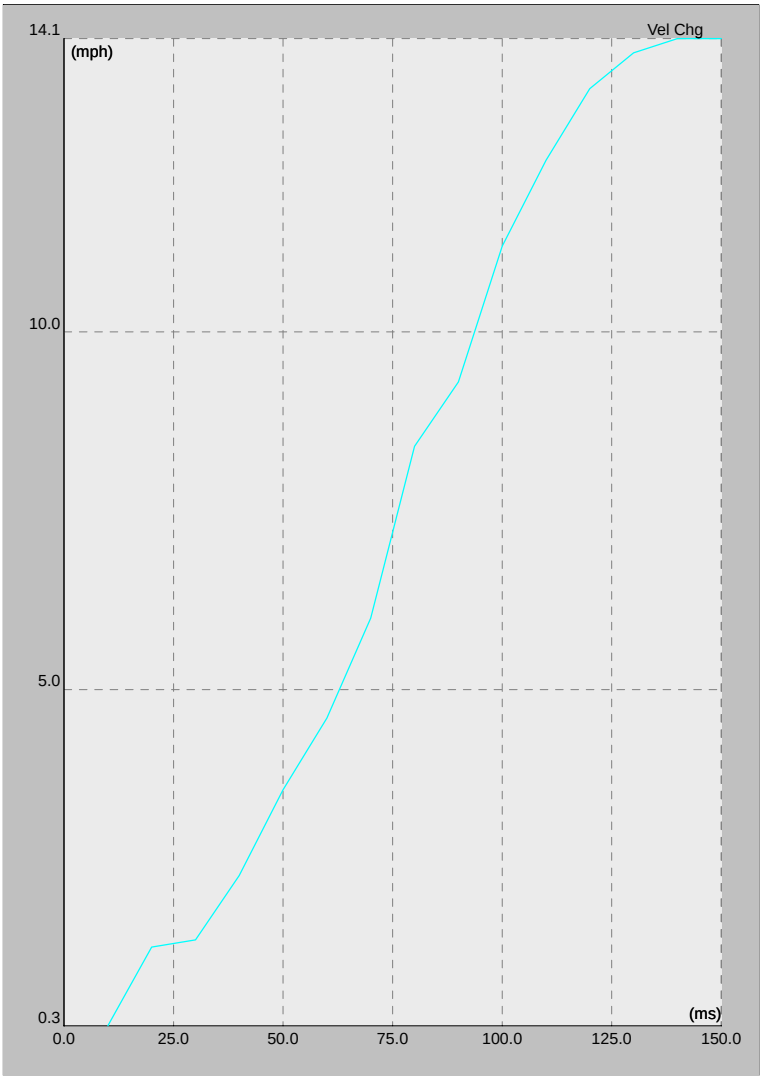
Individual Data

Data Name	Data
Time From Previous Event	540 ms
Time From Last PreCrash Data	600 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	UnBelted
Belt Switch Status Passenger	Belted
Occupant Detection Passenger	AM50
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	0 times
Lamp On Term	0 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	2
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake	s	Speed	Engine	Accelerator	Brake
-5.0	26.1	1200	0.78(MIDDL	OFF	-0.4	59.6	4400	2.73(FALSE	OFF
-4.0	24.9	1200	0.78(MIDDL	OFF					
-3.0	24.9	2800	1.91(FULL)	OFF					
-2.0	26.1	4400	3.20(FALSE	ON					
-1.0	36.0	5200	2.85(FALSE	OFF					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	4.6	110.0	12.4
20.0	1.4	70.0	6.0	120.0	13.4
30.0	1.5	80.0	8.4	130.0	13.9
40.0	2.4	90.0	9.3	140.0	14.1
50.0	3.6	100.0	11.2	150.0	14.1

PROTOTYPE READOUT TOOL REPORT

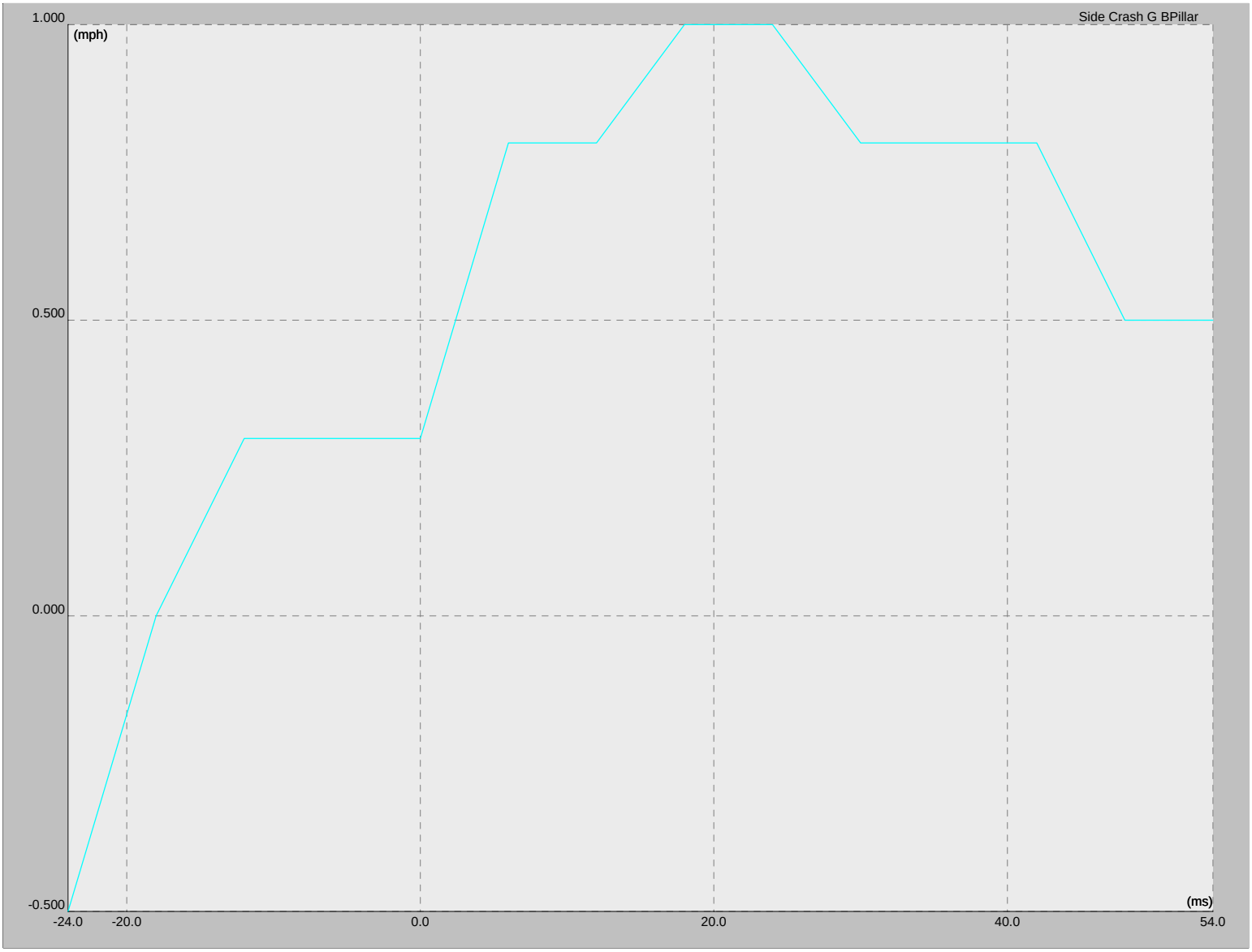
Event Data

Case A1 Complete EDR Image.pdf

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

Graph Data

Graph Name	Side Crash G BPillar
Record Status	Recorded



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.5
-18.0	0.0
-12.0	0.3
-6.0	0.3
0.0	0.3
6.0	0.8
12.0	0.8
18.0	1.0
24.0	1.0
30.0	0.8
36.0	0.8
42.0	0.8
48.0	0.5
54.0	0.5

PROTOTYPE READOUT TOOL REPORT

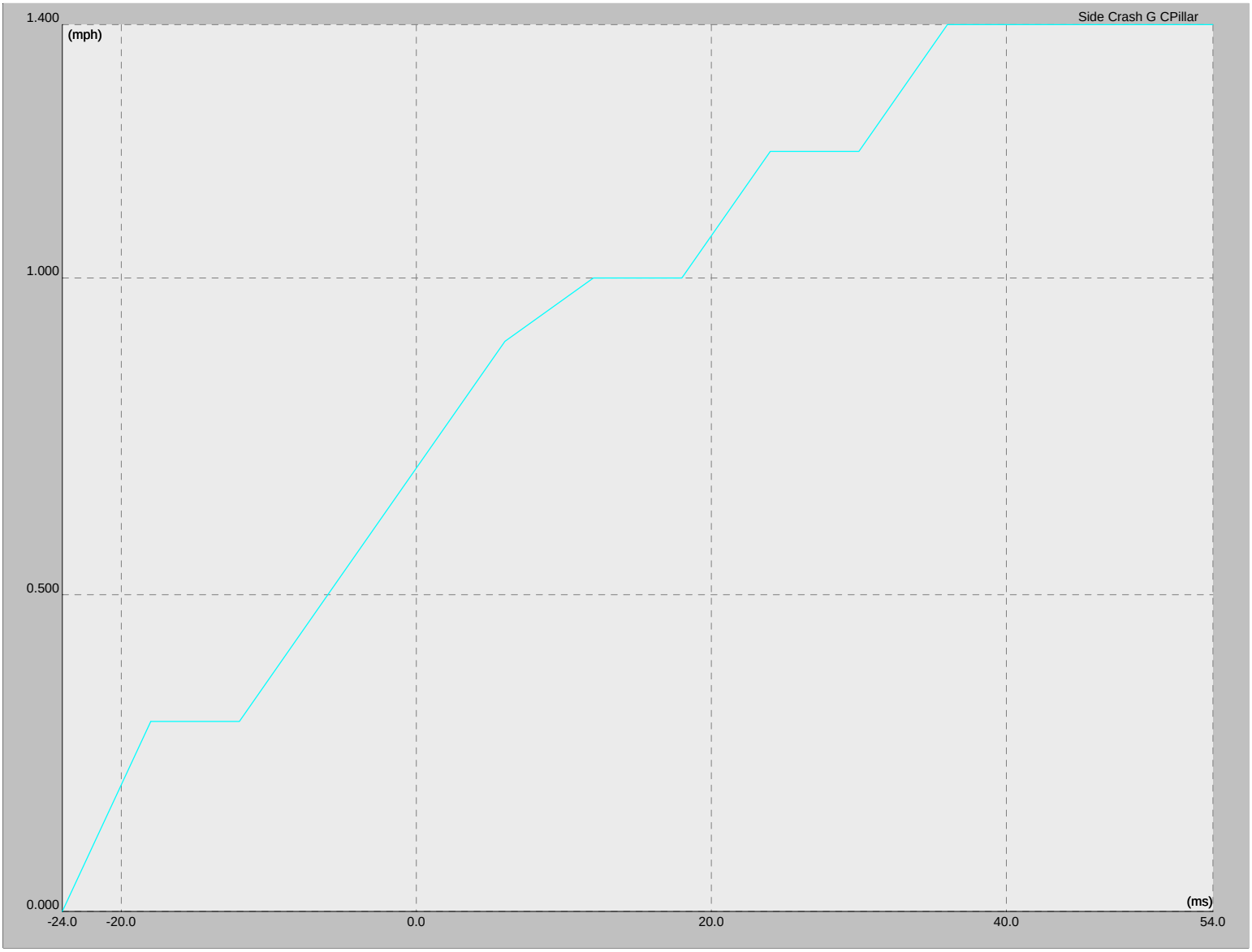
Event Data

Case A1 Complete EDR Image.pdf

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

Graph Data

Graph Name	Side Crash G CPillar
Record Status	Recorded



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	0.0
-18.0	0.3
-12.0	0.3
-6.0	0.5
0.0	0.7
6.0	0.9
12.0	1.0
18.0	1.0
24.0	1.2
30.0	1.2
36.0	1.4
42.0	1.4
48.0	1.4
54.0	1.4

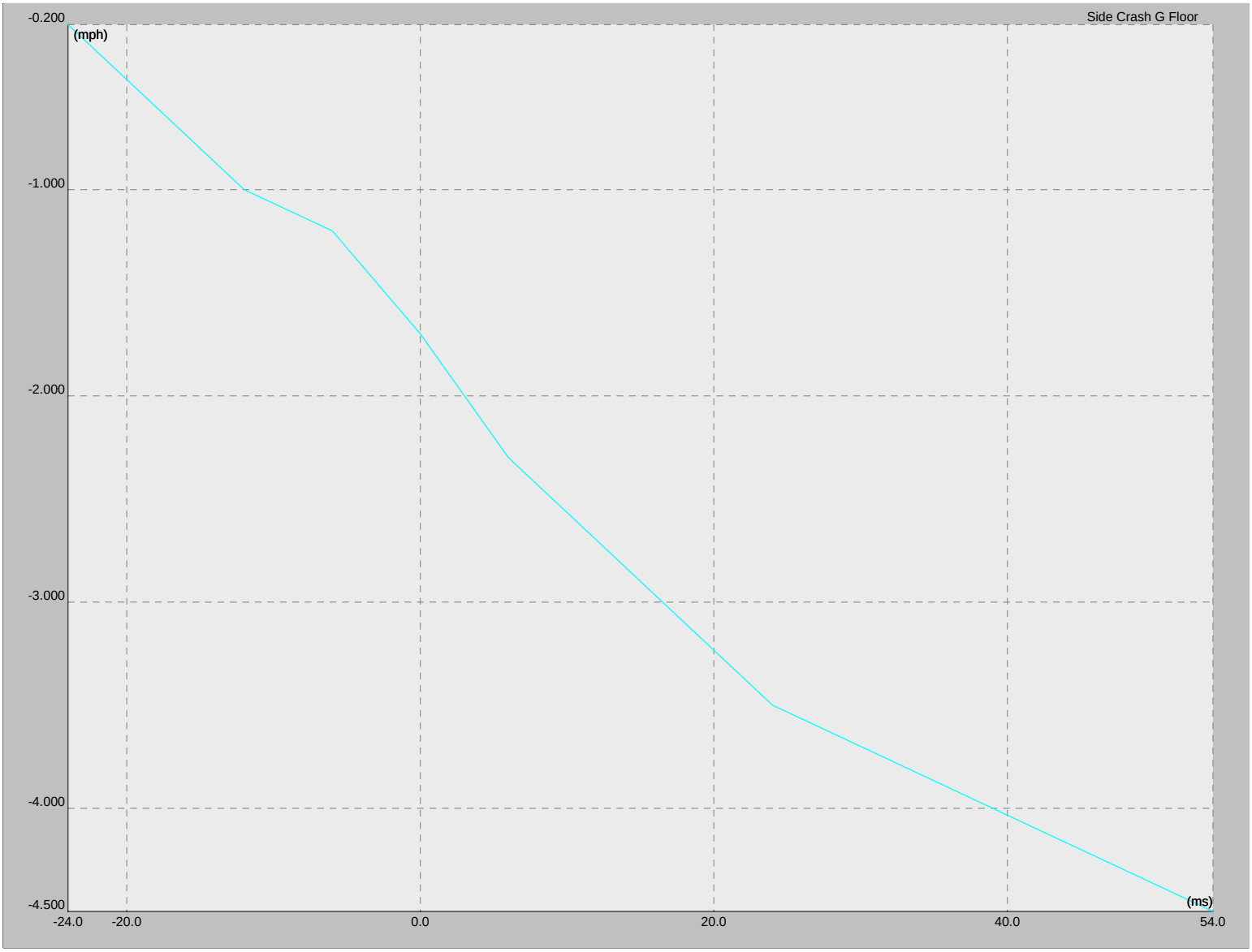
PROTOTYPE READOUT TOOL REPORT

Event Data **Case A1 Complete EDR Image.pdf**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	****
ACCIDENT DATE	
VEHICLE	
MODEL YEAR	
VIN NUMBER	
Tool Version(download)	
Tool Version(display)	Ver.1.4.1.0

Graph Data

Graph Name	Side Crash G Floor
Record Status	Recorded



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.2
-18.0	-0.6
-12.0	-1.0
-6.0	-1.2
0.0	-1.7
6.0	-2.3
12.0	-2.7
18.0	-3.1
24.0	-3.5
30.0	-3.7
36.0	-3.9
42.0	-4.1
48.0	-4.3
54.0	-4.5

Case B1

Vehicle MY - Model: 2010 Corolla

Incident Location: Driveway

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Backing out of residential driveway; Struck mailbox

Observation: No data was written to the EDR

See Page (N/A)

PROTOTYPE READOUT TOOL REPORT

Event Data **Case B1 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Left OFF	
Safing Right ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right OFF	
Discrimination Left ON	bp cpHighG cpLowG CCU1Y
Discrimination Left OFF	
Discrimination Right ON	bp cpHighG cpLowG CCU1Y
Discrimination Right OFF	
Recorded Ama Side	BothSide(error?)
Deployment judgment Side	BothSide(error?)
Deployment Enabled	ON
NewPage	3 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Hi

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B1 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

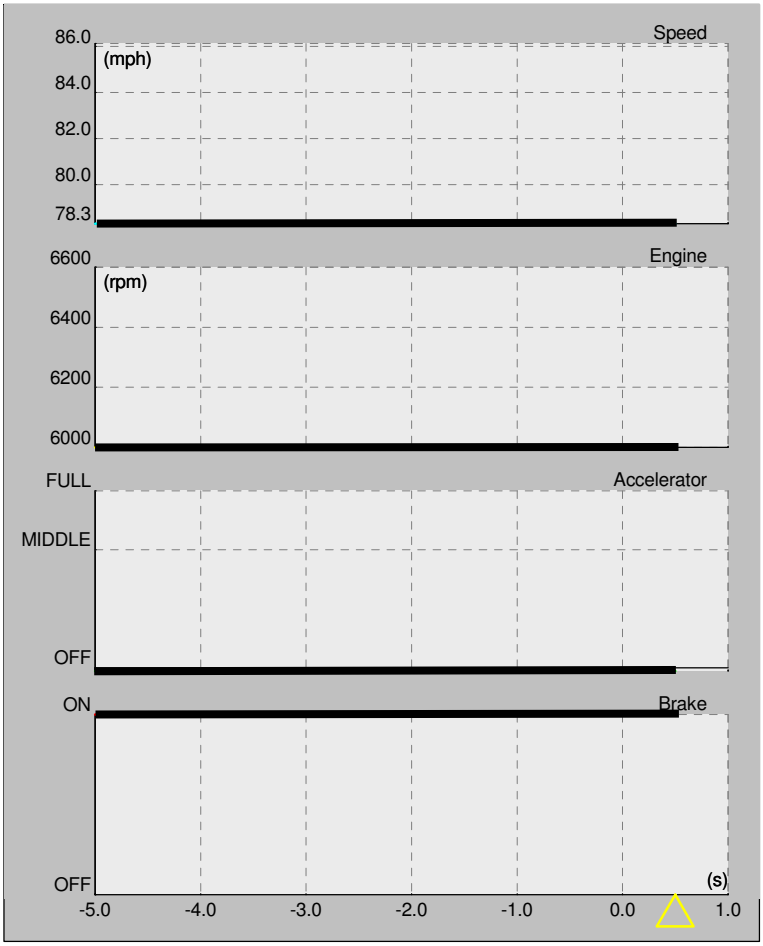
Graph Data

Latest/Frozen	BANK0

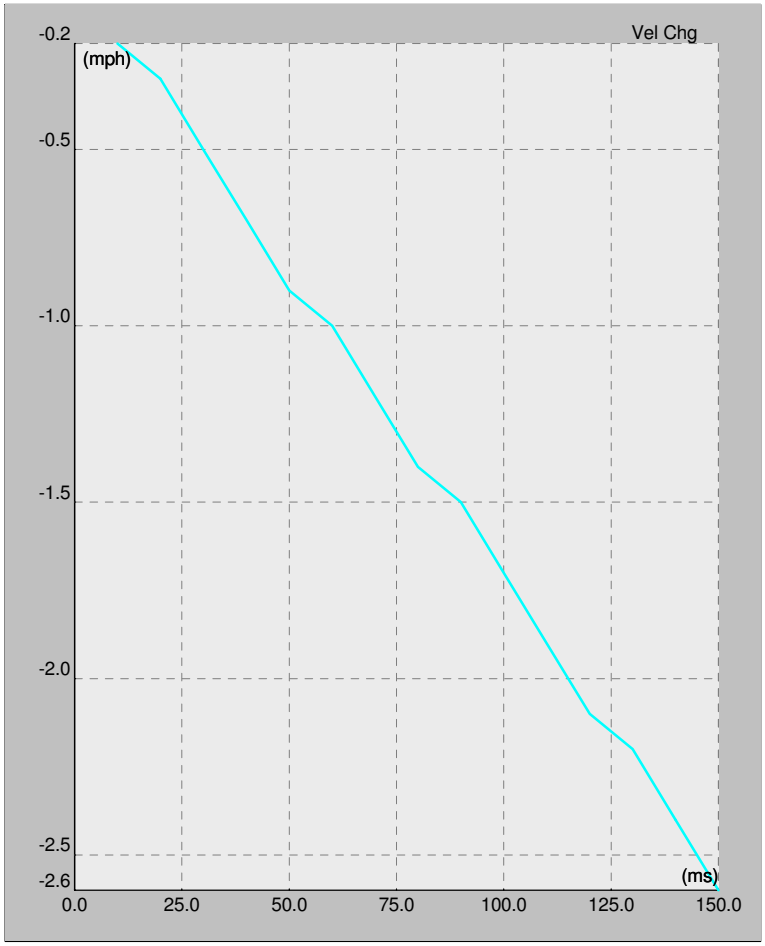
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	78.3	6000	-0.04(FALSE)	ON
-4.0	78.3	6000	-0.04(FALSE)	ON
-3.0	78.3	6000	-0.04(FALSE)	ON
-2.0	78.3	6000	-0.04(FALSE)	ON
-1.0	78.3	6000	-0.04(FALSE)	ON
0.5	78.3	6000	-0.04(FALSE)	ON

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	70.0	-1.2	130.0	-2.2
20.0	-0.3	80.0	-1.4	140.0	-2.4
30.0	-0.5	90.0	-1.5	150.0	-2.6
40.0	-0.7	100.0	-1.7		
50.0	-0.9	110.0	-1.9		
60.0	-1.0	120.0	-2.1		

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B1 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

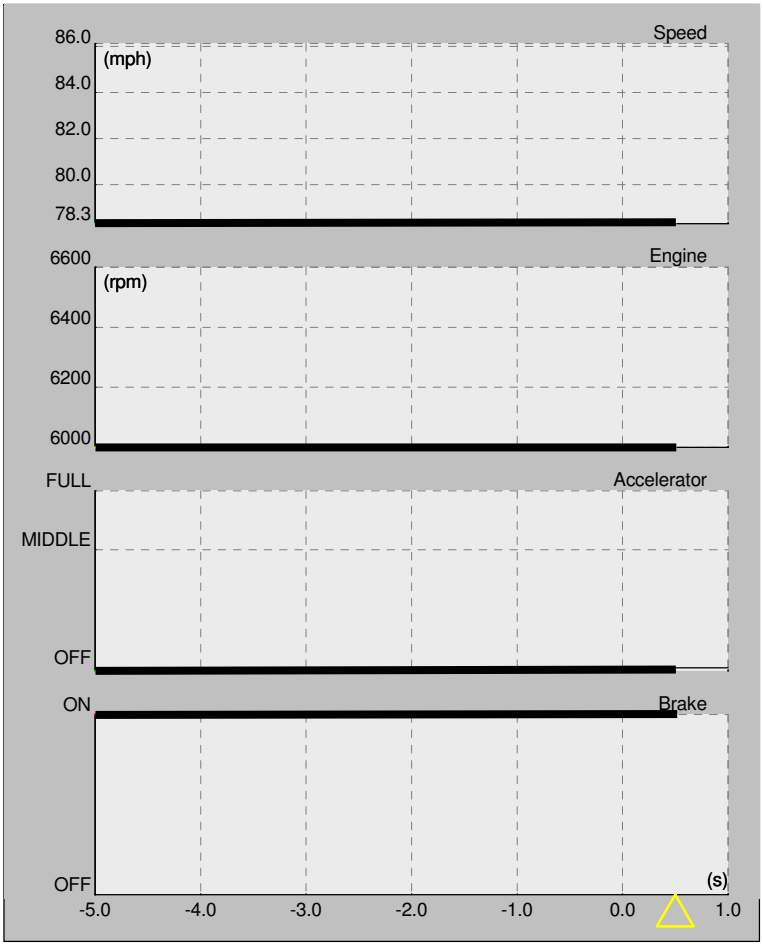
Graph Data

Next most recent	BANK1

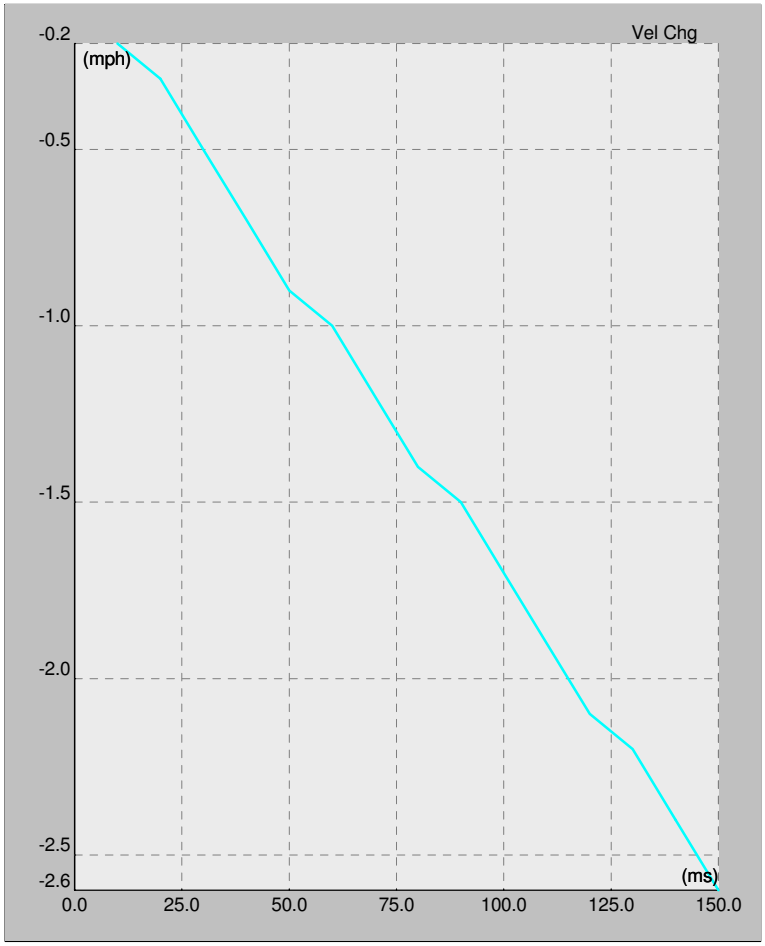
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	78.3	6000	-0.04(FALSE)	ON
-4.0	78.3	6000	-0.04(FALSE)	ON
-3.0	78.3	6000	-0.04(FALSE)	ON
-2.0	78.3	6000	-0.04(FALSE)	ON
-1.0	78.3	6000	-0.04(FALSE)	ON
0.5	78.3	6000	-0.04(FALSE)	ON

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	70.0	-1.2	130.0	-2.2
20.0	-0.3	80.0	-1.4	140.0	-2.4
30.0	-0.5	90.0	-1.5	150.0	-2.6
40.0	-0.7	100.0	-1.7		
50.0	-0.9	110.0	-1.9		
60.0	-1.0	120.0	-2.1		

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B1 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

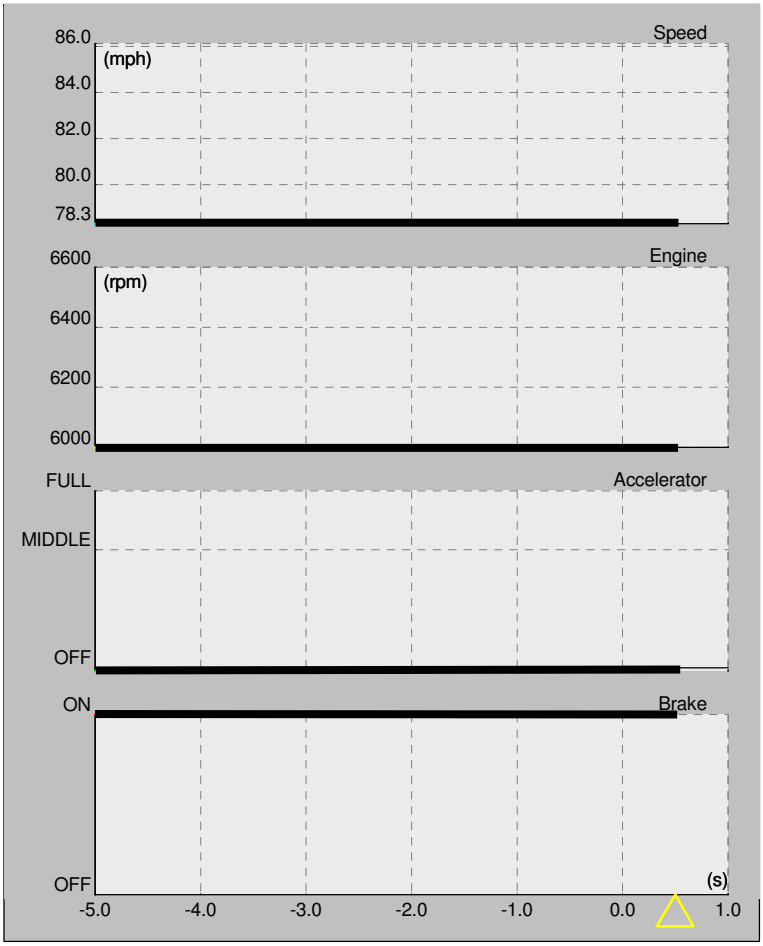
Graph Data

Past max. DeltaV	BANK2

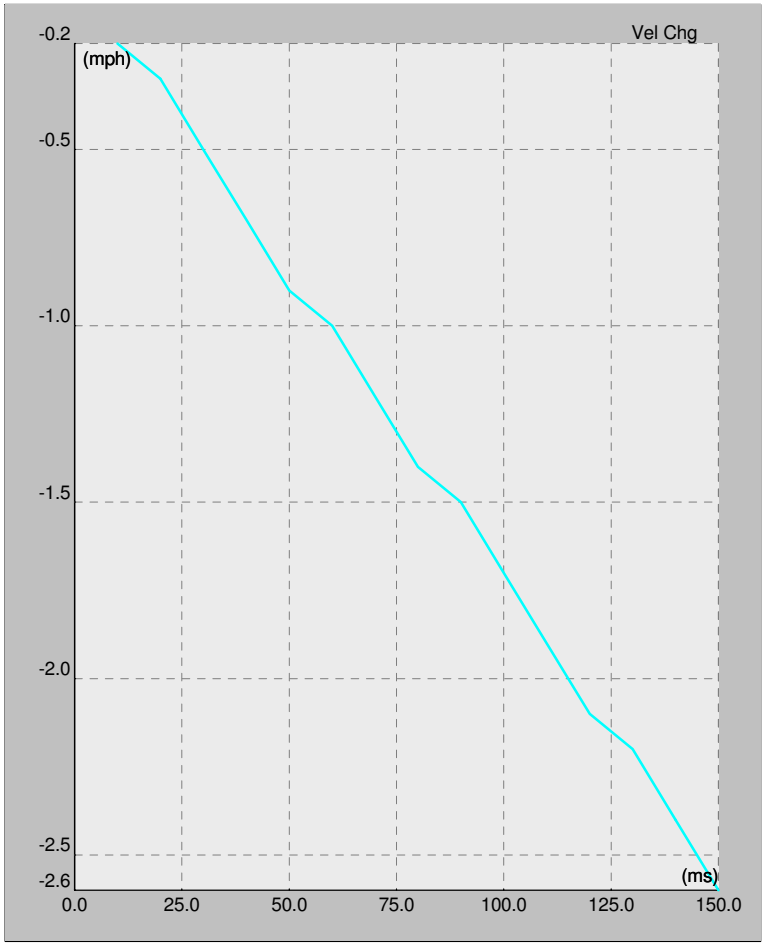
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerator	Brake
-5.0	78.3	6000	-0.04(FALSE)	ON
-4.0	78.3	6000	-0.04(FALSE)	ON
-3.0	78.3	6000	-0.04(FALSE)	ON
-2.0	78.3	6000	-0.04(FALSE)	ON
-1.0	78.3	6000	-0.04(FALSE)	ON
0.5	78.3	6000	-0.04(FALSE)	ON

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	70.0	-1.2	130.0	-2.2
20.0	-0.3	80.0	-1.4	140.0	-2.4
30.0	-0.5	90.0	-1.5	150.0	-2.6
40.0	-0.7	100.0	-1.7		
50.0	-0.9	110.0	-1.9		
60.0	-1.0	120.0	-2.1		

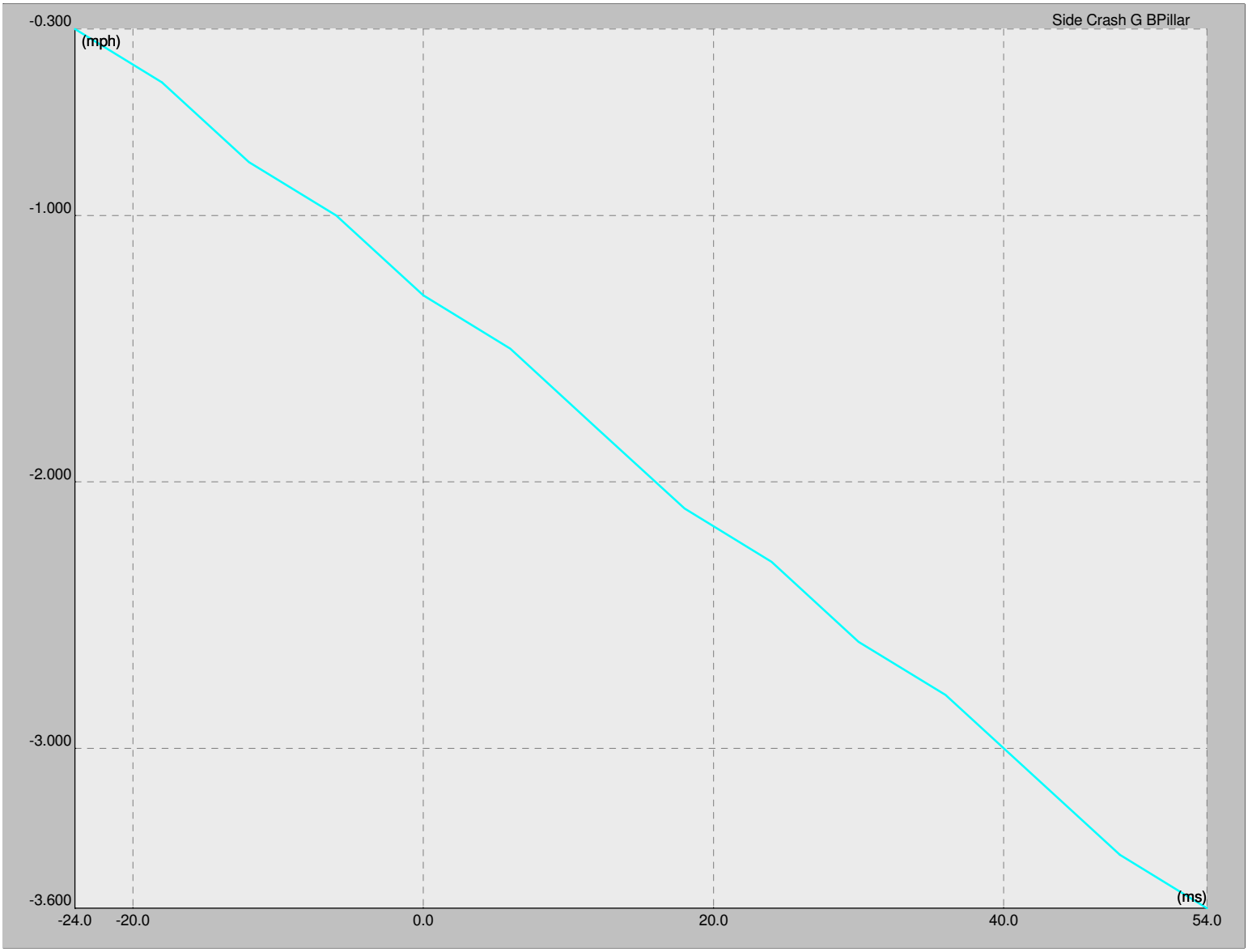
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B1 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.8
-6.0	-1.0
0.0	-1.3
6.0	-1.5
12.0	-1.8
18.0	-2.1
24.0	-2.3
30.0	-2.6
36.0	-2.8
42.0	-3.1
48.0	-3.4
54.0	-3.6

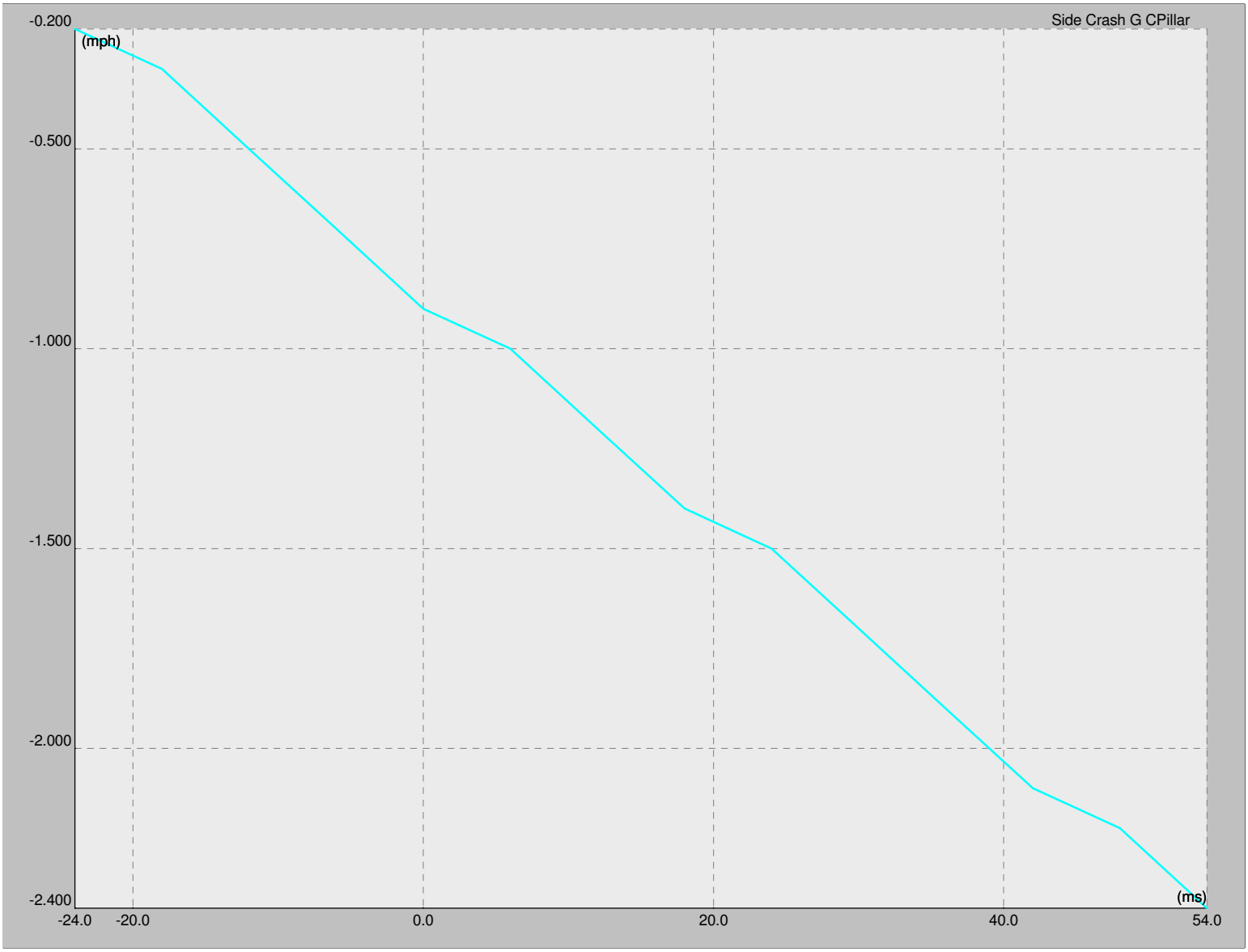
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B1 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.7
0.0	-0.9
6.0	-1.0
12.0	-1.2
18.0	-1.4
24.0	-1.5
30.0	-1.7
36.0	-1.9
42.0	-2.1
48.0	-2.2
54.0	-2.4

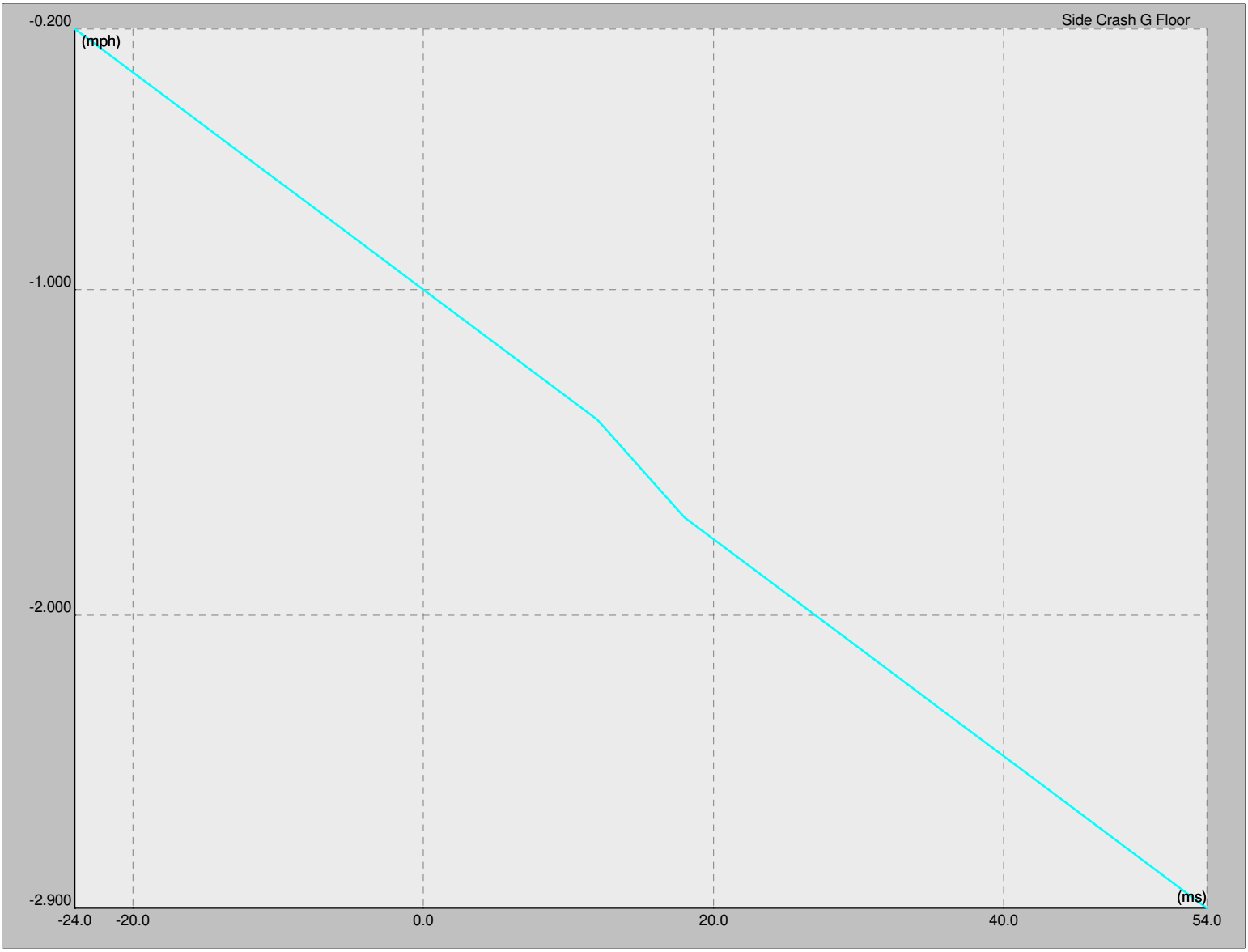
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B1 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Kevin Pilotte
ACCIDENT DATE	
VEHICLE	Toyota Corolla
MODEL YEAR	2010
VIN NUMBER	1NXBU4EE4AZ[redacted]

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.2
-18.0	-0.4
-12.0	-0.6
-6.0	-0.8
0.0	-1.0
6.0	-1.2
12.0	-1.4
18.0	-1.7
24.0	-1.9
30.0	-2.1
36.0	-2.3
42.0	-2.5
48.0	-2.7
54.0	-2.9

Case B2

Vehicle MY - Model: 2009 Corolla

Incident Location: Roadway

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Rear impact of vehicle in traffic

Observation: No data was written to the EDR

See Page (N/A)

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B2 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] Corolla
MODEL YEAR	2009
VIN NUMBER	

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Left OFF	
Safing Right ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right OFF	
Discrimination Left ON	bp cpHighG cpLowG CCU1Y
Discrimination Left OFF	
Discrimination Right ON	bp cpHighG cpLowG CCU1Y
Discrimination Right OFF	
Recorded Ama Side	BothSide(error?)
Deployment judgment Side	BothSide(error?)
Deployment Enabled	ON
NewPage	3 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Hi

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B2 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] Corolla
MODEL YEAR	2009
VIN NUMBER	

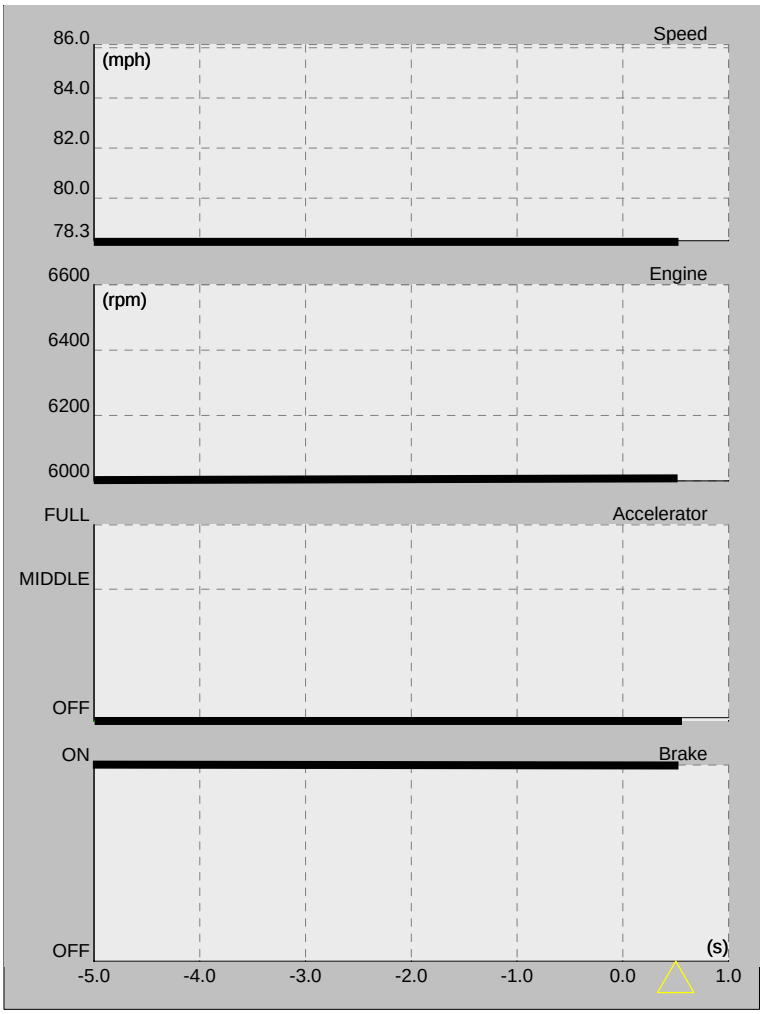
Graph Data

Latest/Frozen	BANK0

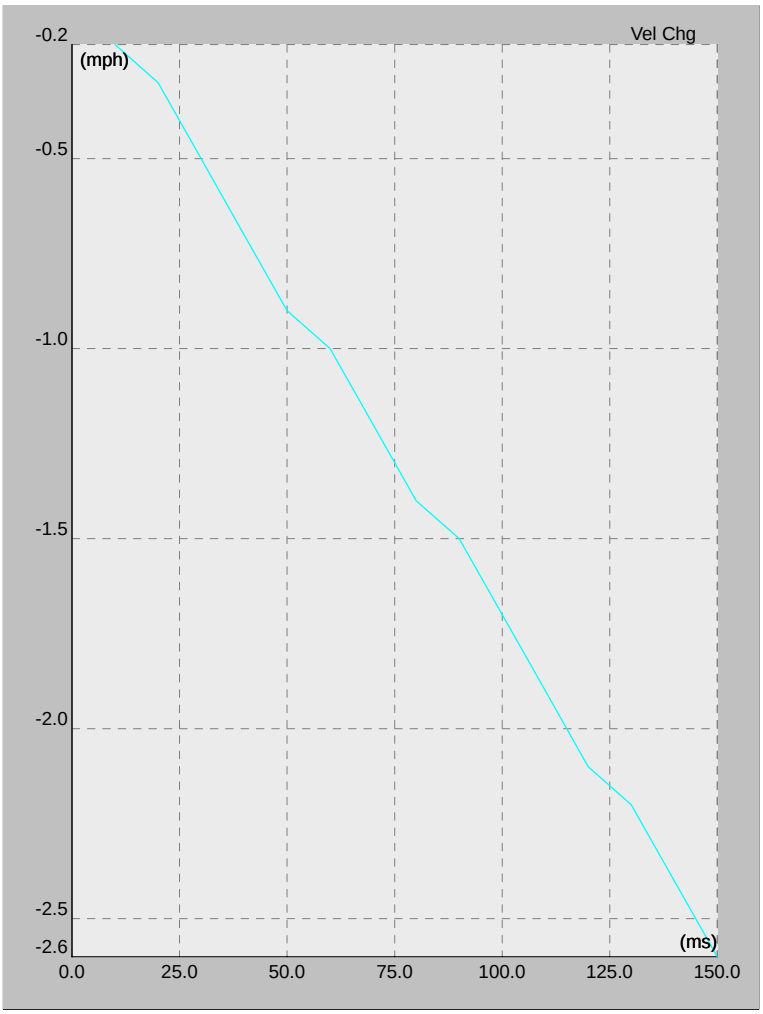
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B2 Complete EDR Image

INVESTIGATION DATE	[redacted]8/2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] Corolla
MODEL YEAR	2009
VIN NUMBER	

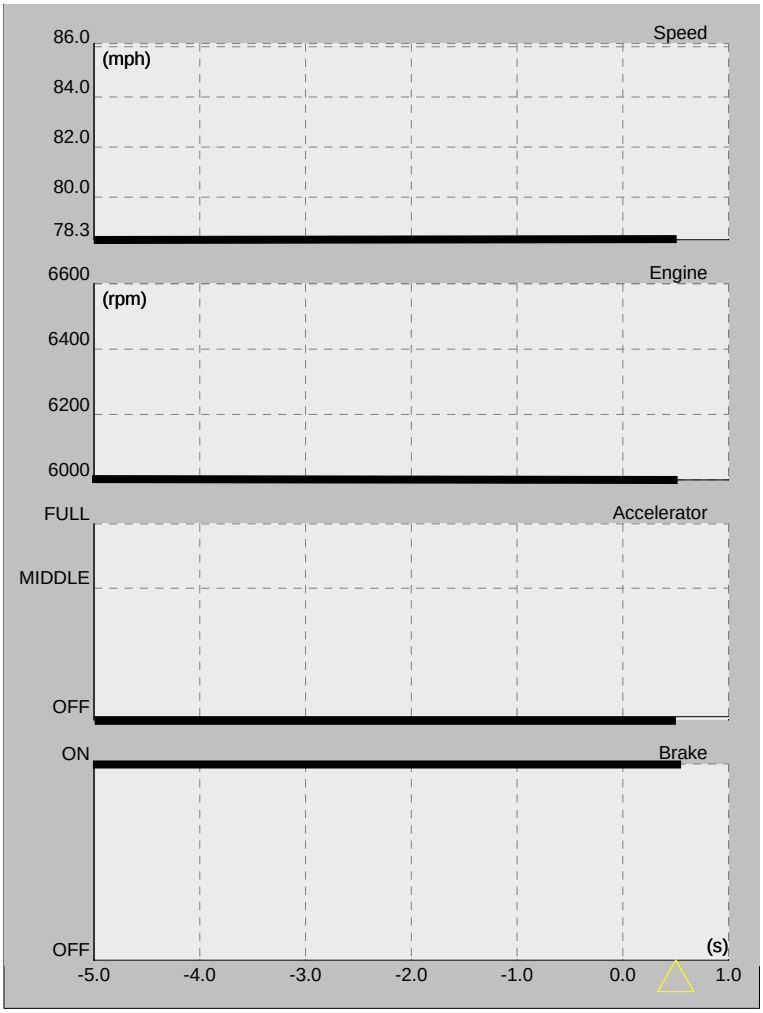
Graph Data

Next most recent	BANK1

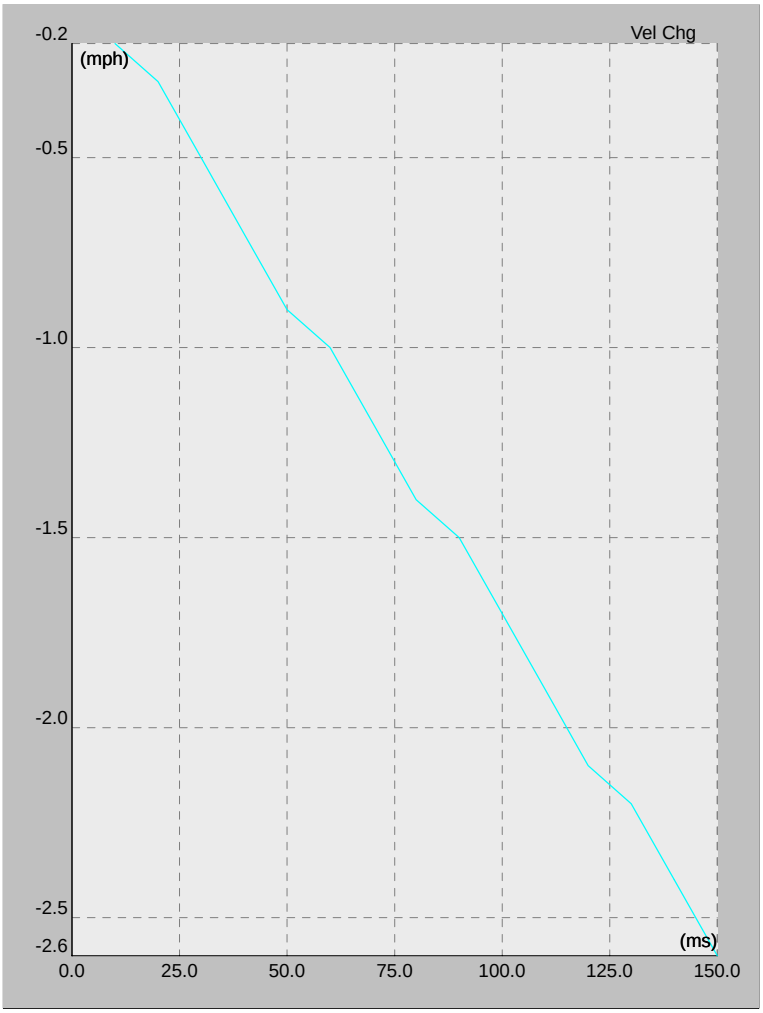
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B2 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] Corolla
MODEL YEAR	2009
VIN NUMBER	

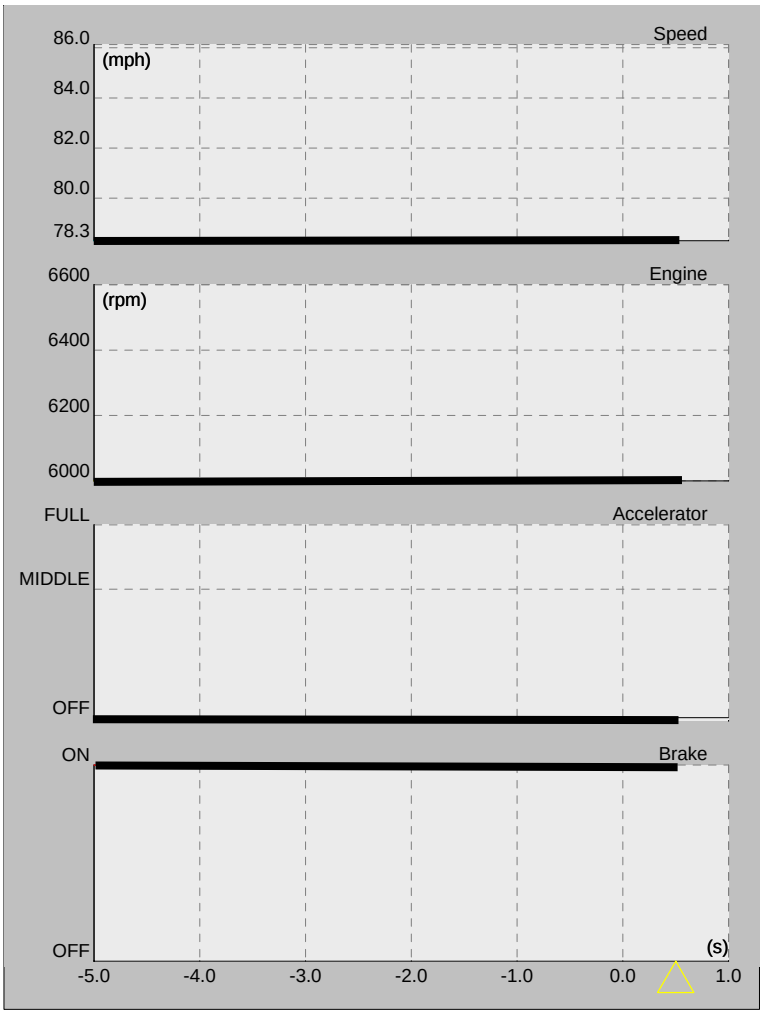
Graph Data

Past max. DeltaV	BANK2

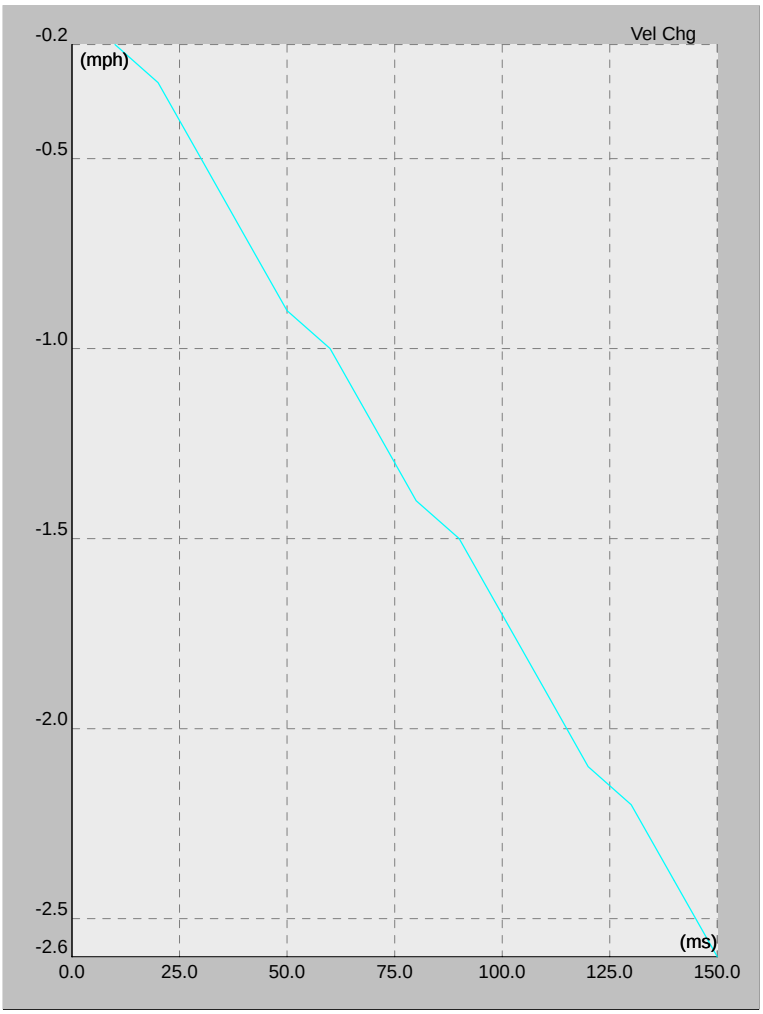
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

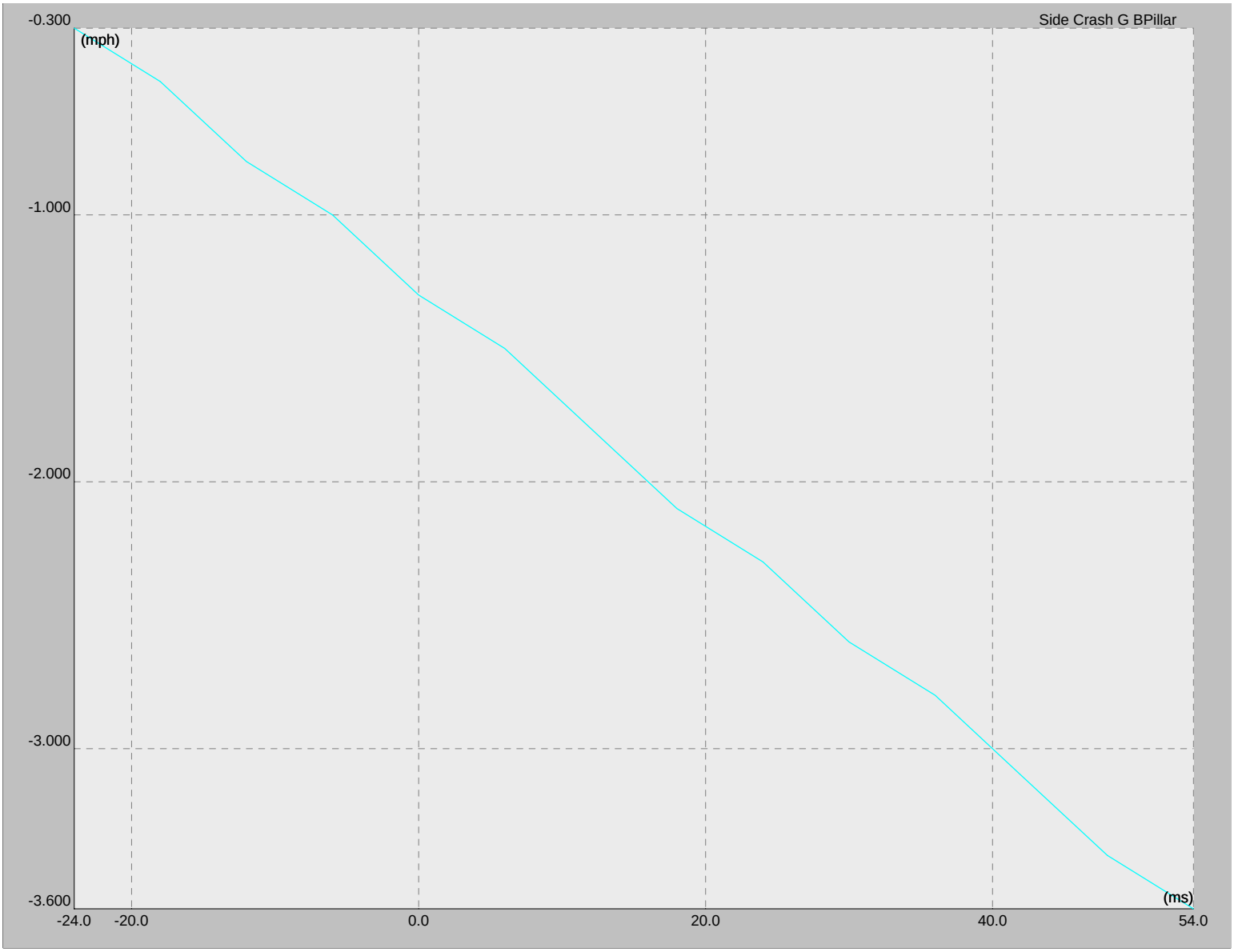
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B2 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted]oCorolla
MODEL YEAR	2009
VIN NUMBER	

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.8
-6.0	-1.0
0.0	-1.3
6.0	-1.5
12.0	-1.8
18.0	-2.1
24.0	-2.3
30.0	-2.6
36.0	-2.8
42.0	-3.1
48.0	-3.4
54.0	-3.6

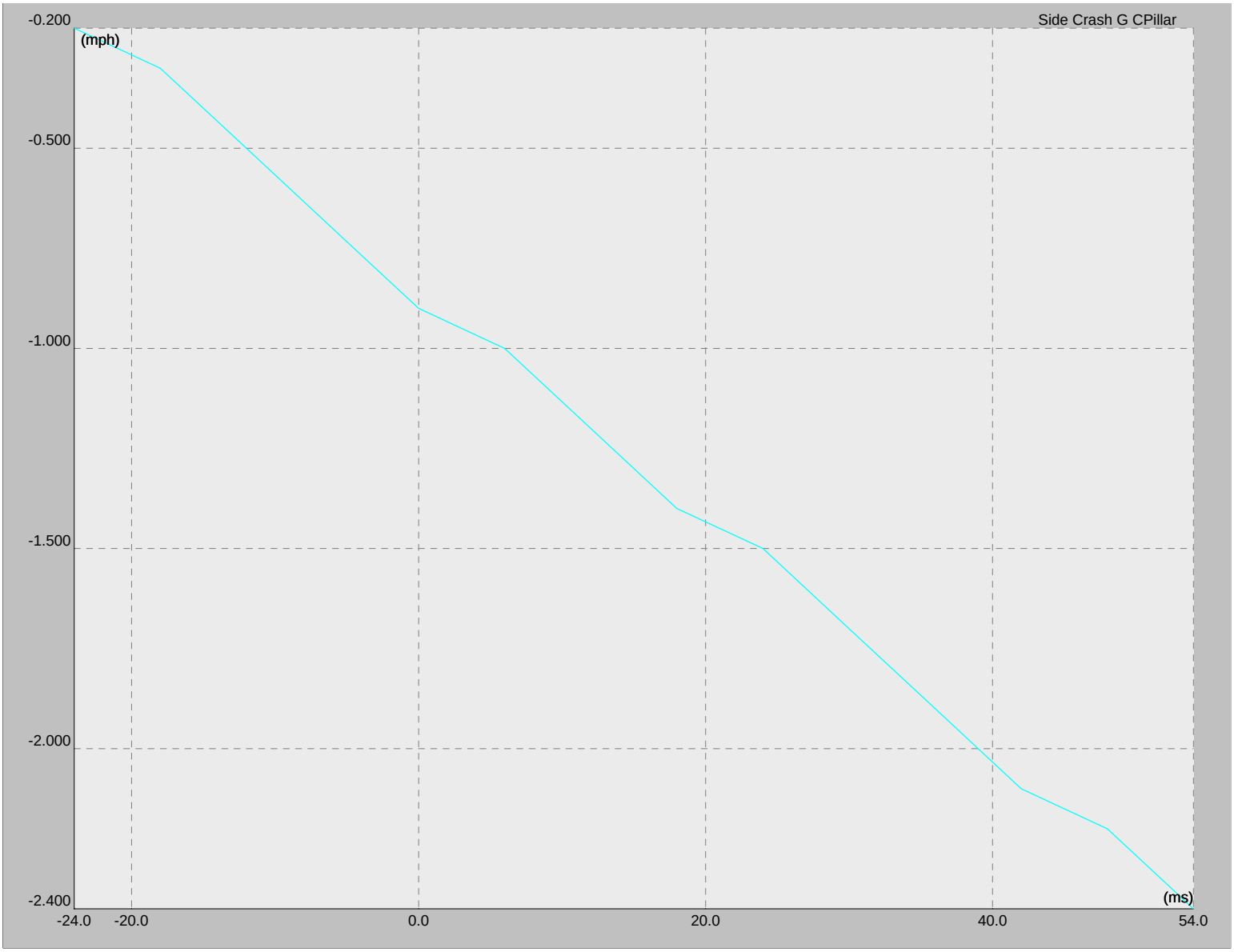
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B2 Complete EDR Image**

INVESTIGATION DATE	[redacted]8/2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted]oCorolla
MODEL YEAR	2009
VIN NUMBER	

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.7
0.0	-0.9
6.0	-1.0
12.0	-1.2
18.0	-1.4
24.0	-1.5
30.0	-1.7
36.0	-1.9
42.0	-2.1
48.0	-2.2
54.0	-2.4

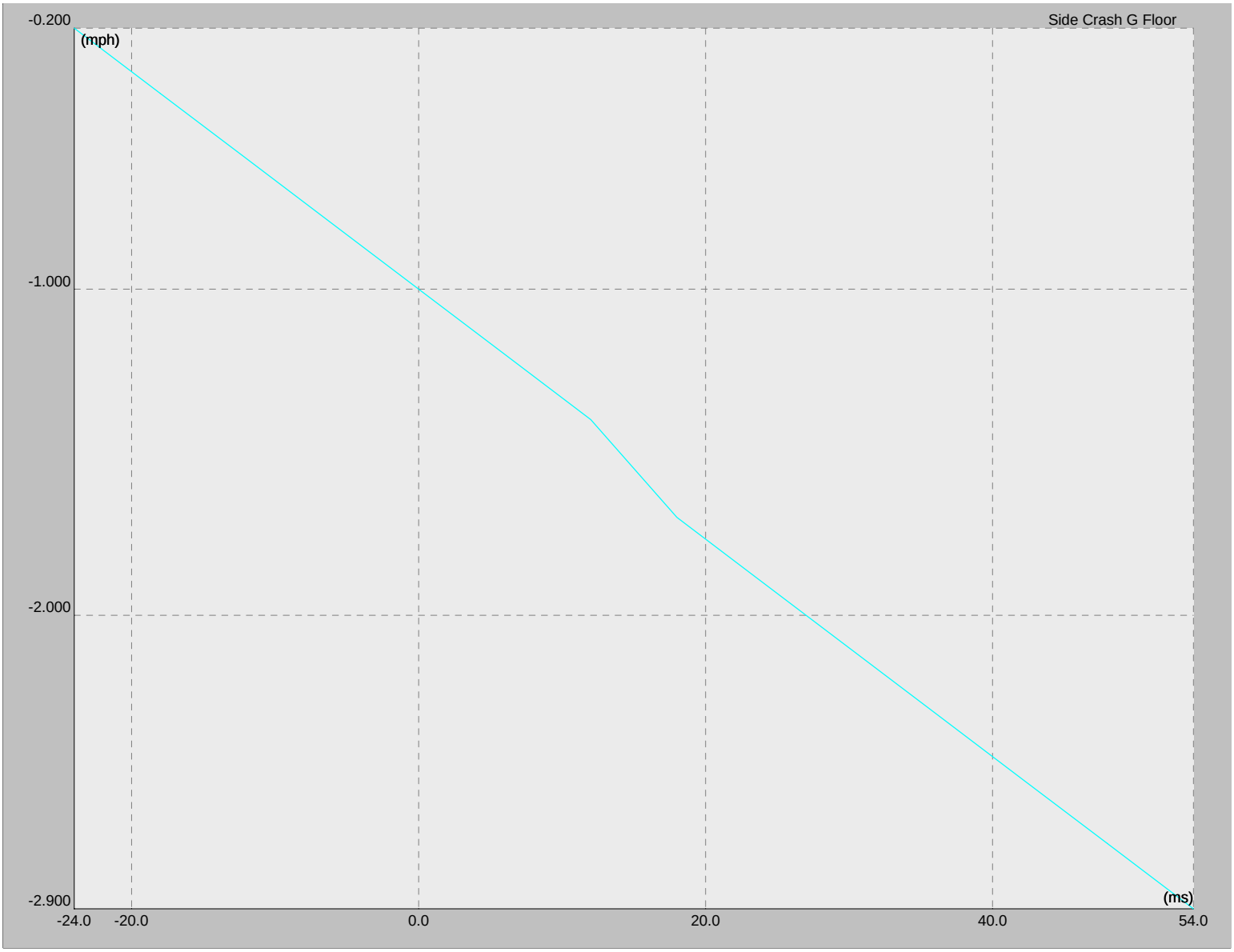
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B2 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	JRY
ACCIDENT DATE	
VEHICLE	[redacted] Corolla
MODEL YEAR	2009
VIN NUMBER	

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.2
-18.0	-0.4
-12.0	-0.6
-6.0	-0.8
0.0	-1.0
6.0	-1.2
12.0	-1.4
18.0	-1.7
24.0	-1.9
30.0	-2.1
36.0	-2.3
42.0	-2.5
48.0	-2.7
54.0	-2.9

Case B3

Vehicle MY - Model: 2010 Prius

Incident Location: Driveway

Inspection Prompted by: Insurance contact alleged a potential unintended acceleration incident

Incident Synopsis: Struck a parking log

Observation: No data was written to the EDR

See Page (N/A)

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

System Information

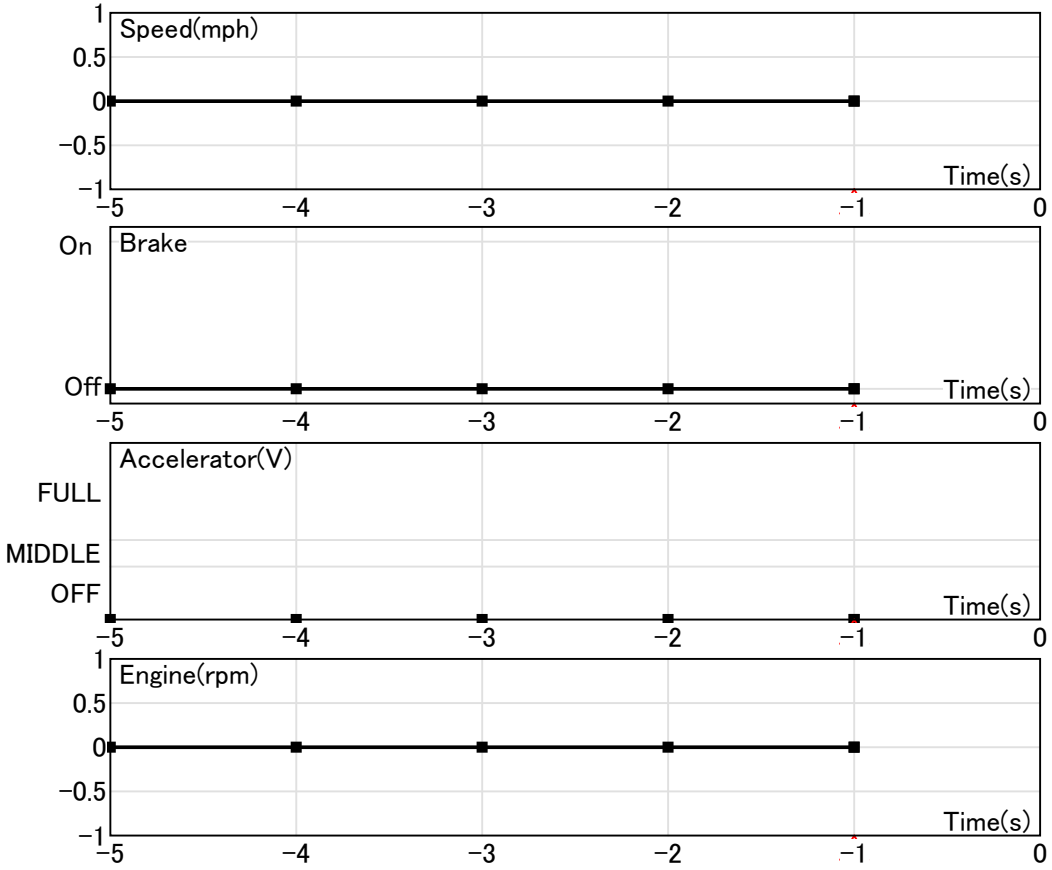
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 0(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: Invalid

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: Invalid



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Next Most Recent Pre-Crash Page.1

User Data

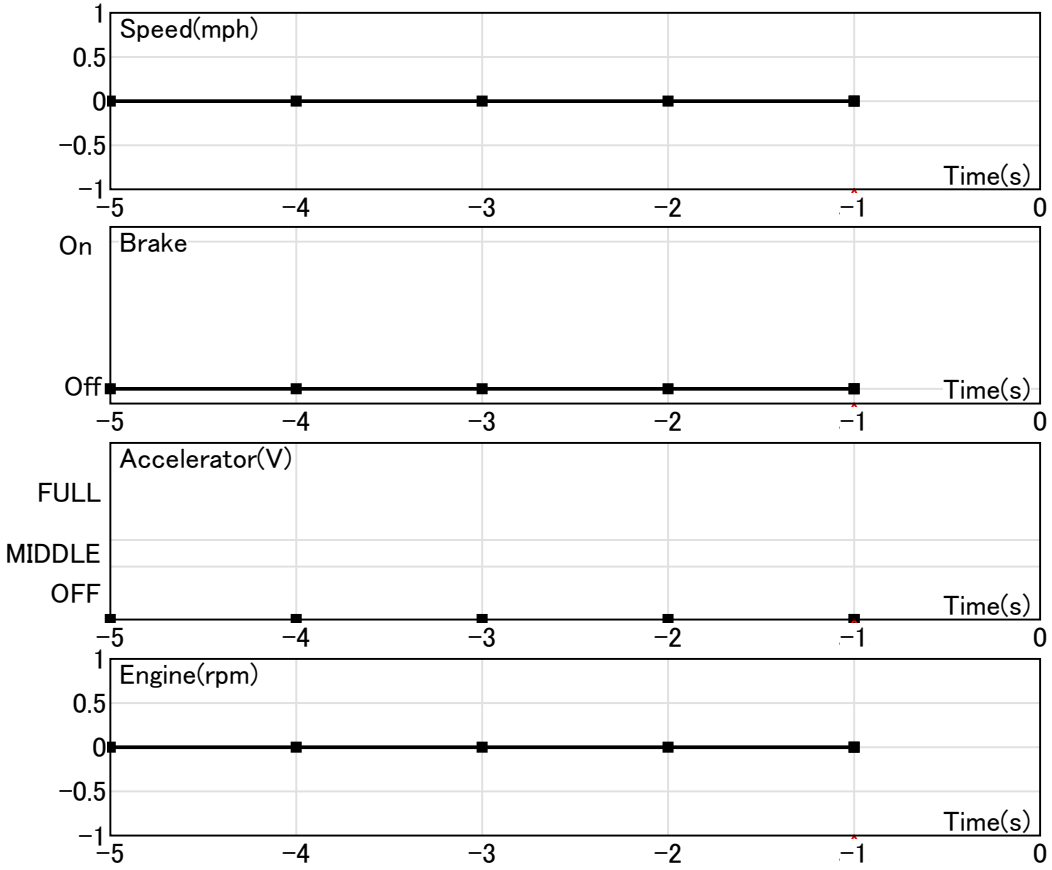
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: Invalid

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: Invalid



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
	:	OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

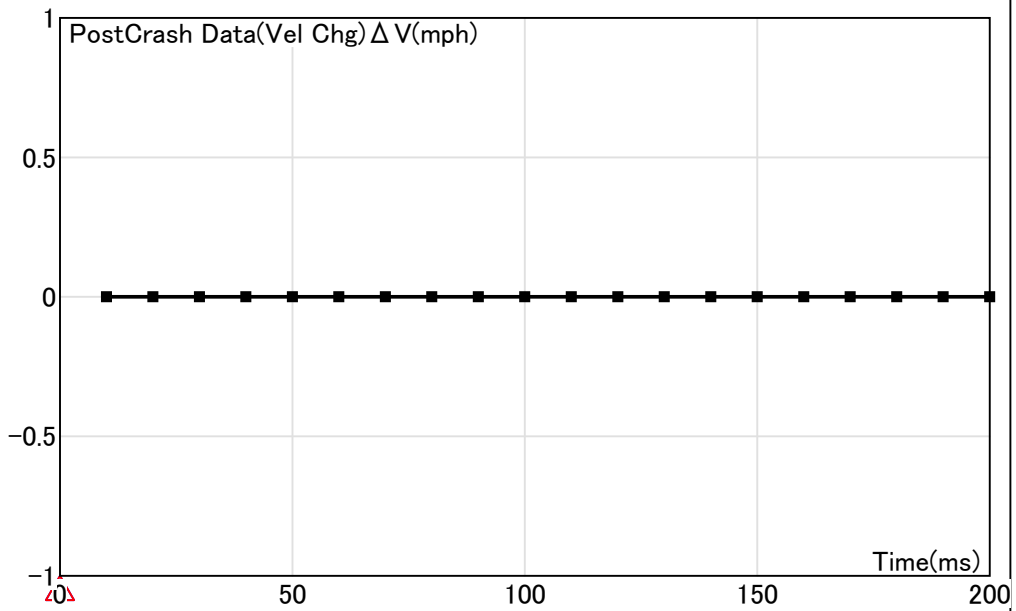
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

Frontal Crash Page.0

Max deltaVx	: 0.0(mph)
Writing Flag for Gx	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

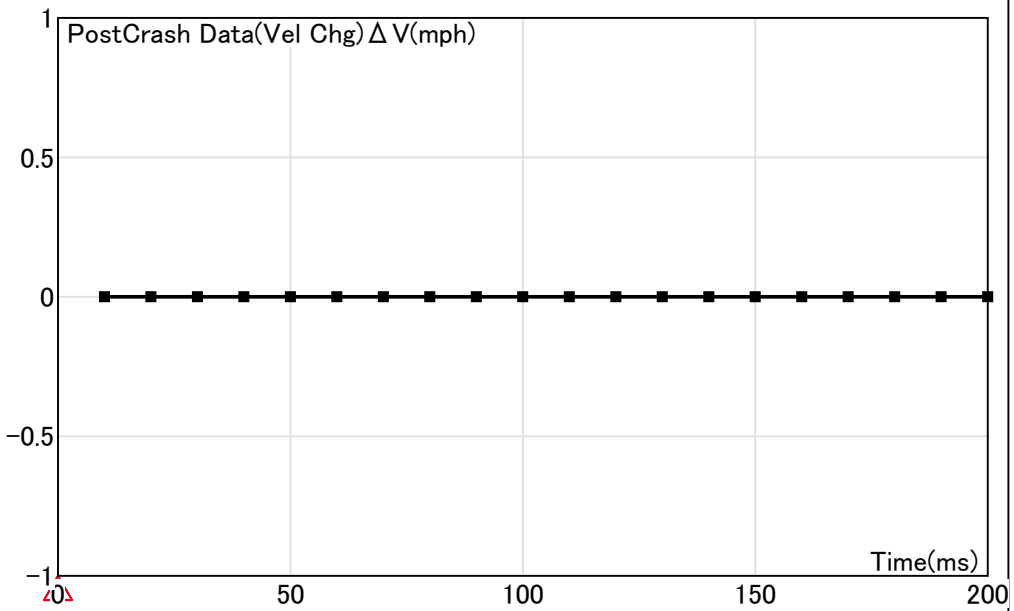
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freema n
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

Frontal Crash Page.1

Max deltaVx	: 0.0(mph)
Writing Flag for Gx	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

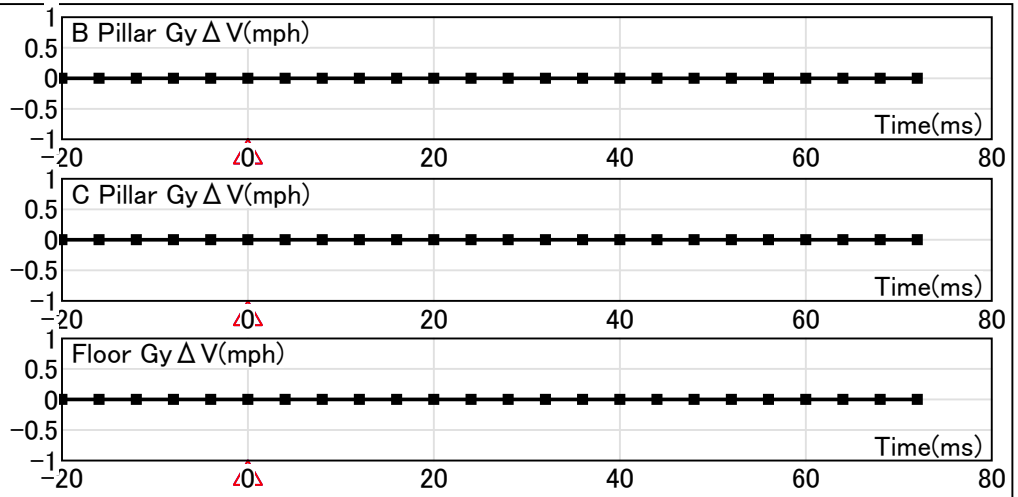
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

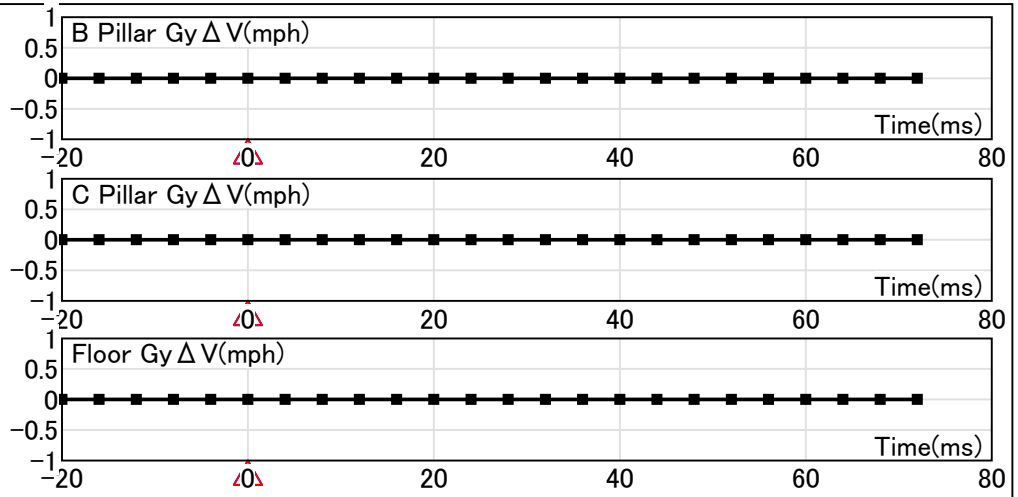
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: Lash / Freeman
Accident Date	:
Vehicle	: Prius
Model Year	: 2010
VIN Number	: jtdkn3du2a0[redacted]
Tool Version(download)	:
Tool Version(display)	: Ver.1.3.1.3
ECU No	: 47080
COMMTYPE	: CAN

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

Case B4

Vehicle MY - Model: 2010 Corolla

Incident Location: Parking Lot

Inspection Prompted by: Complainant stated: Vehicle sped up while attempting to stop. The contact attempted to brake and the vehicle proceeded to crash into the dumpster.

Incident Synopsis: Vehicle accelerated and struck dumpster in spite of brake application; Struck dumpster; EDR in vehicle does not appear to be the original EDR. Looking for disposition of original

Observation: EDR data does not comport with the incident described by the complainant

See Page (N/A)

PROTOTYPE READOUT TOOL REPORT

Event Data **Case B4 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC
Safing Left OFF	bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right ON	
Safing Right OFF	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Discrimination Left ON	
Discrimination Left OFF	bp cpHighG cpLowG CCU1Y
Discrimination Right ON	
Discrimination Right OFF	bp cpHighG cpLowG CCU1Y
Recorded Ama Side	LeftSide
Deployment judgment Side	NonSide
Deployment Enabled	OFF
NewPage	0 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Not Fired
Deployment Stage Passenger	Not Fired

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B4 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

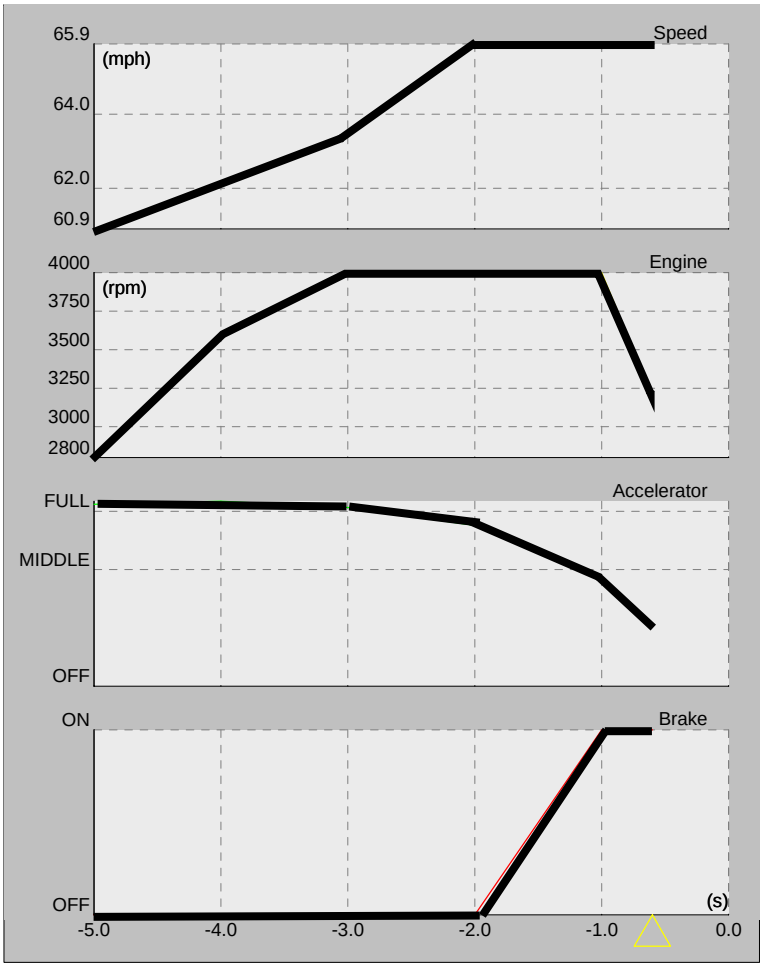
Graph Data

Latest/Frozen	BANK0

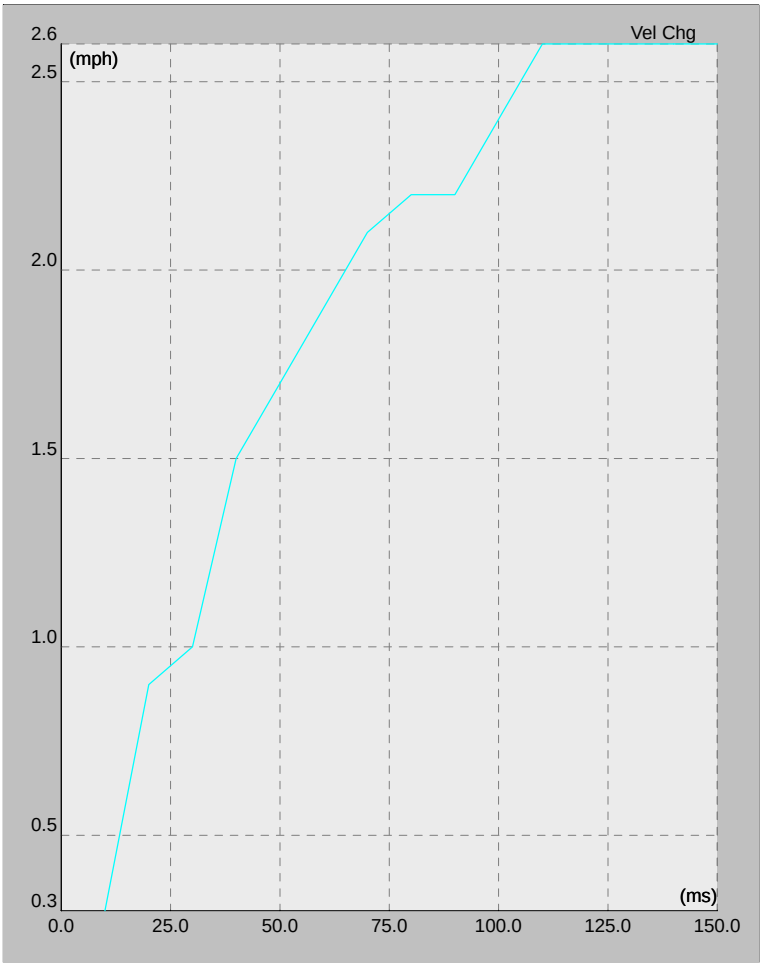
Individual Data

Data Name	Data
Time From Previous Event	5000 ms
Time From Last PreCrash Data	400 ms
Pre-Crash Data Flag	OFF OFF OFF OFF OFF OFF
Shift Position	Others
Seat Position Driver	RW
Belt Switch Status Driver	Belted
Belt Switch Status Passenger	UnBelted
Occupant Detection Passenger	Unoccupied
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	865 times
Lamp On Term	90 minutes
Diag Code	00 00 00 00 00 00 00 00 00 00 00 00
Event counter	1
Writing Flag	Finished Writing

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	60.9	2800	2.34(FULI	OFF	-0.6	65.9	3200	0.78(OFF	ON
-4.0	62.1	3600	2.38(FULI	OFF					
-3.0	63.4	4000	2.30(FULI	OFF					
-2.0	65.9	4000	2.07(MIDI	OFF					
-1.0	65.9	4000	1.41(OFF	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	0.3	60.0	1.9	110.0	2.6
20.0	0.9	70.0	2.1	120.0	2.6
30.0	1.0	80.0	2.2	130.0	2.6
40.0	1.5	90.0	2.2	140.0	2.6
50.0	1.7	100.0	2.4	150.0	2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B4 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

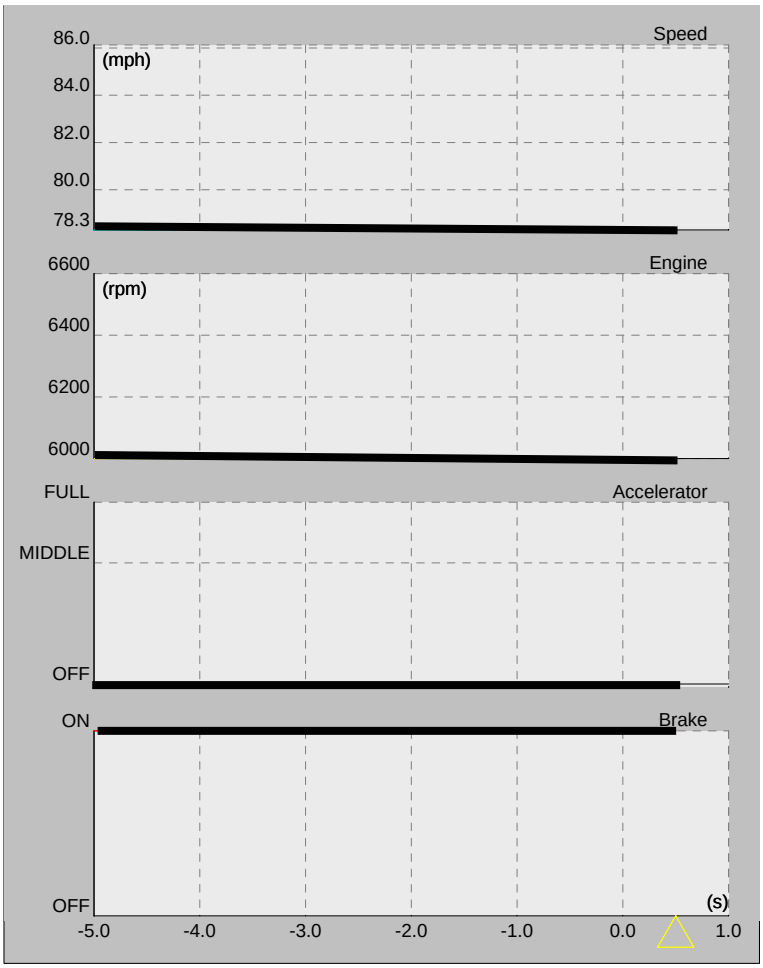
Graph Data

Next most recent	BANK1

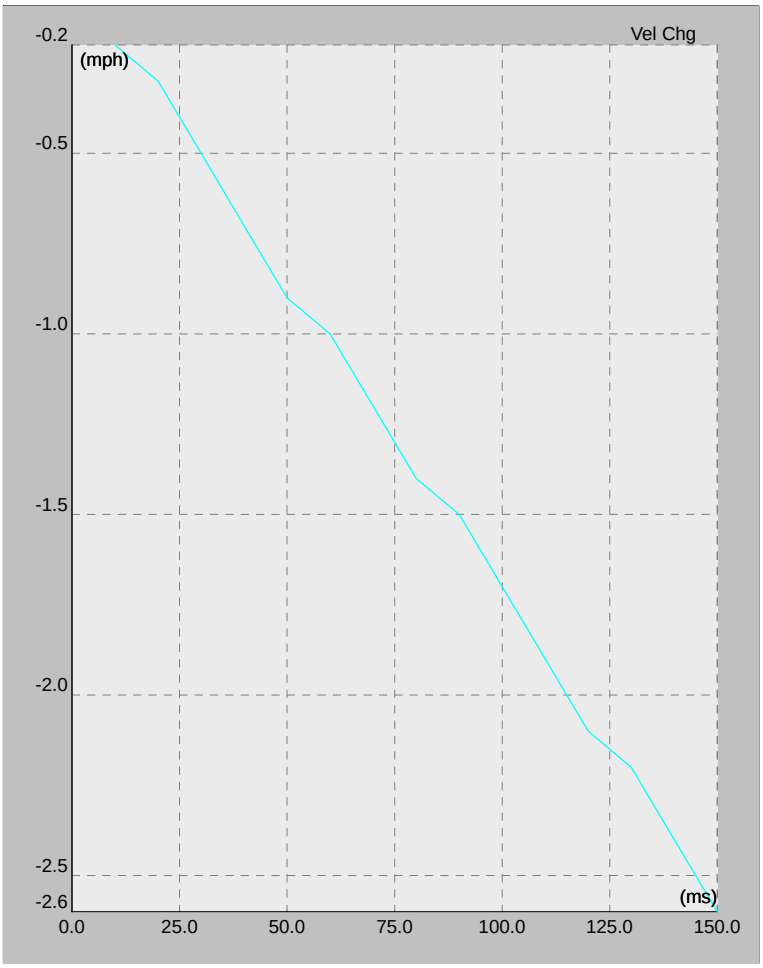
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B4 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC[redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

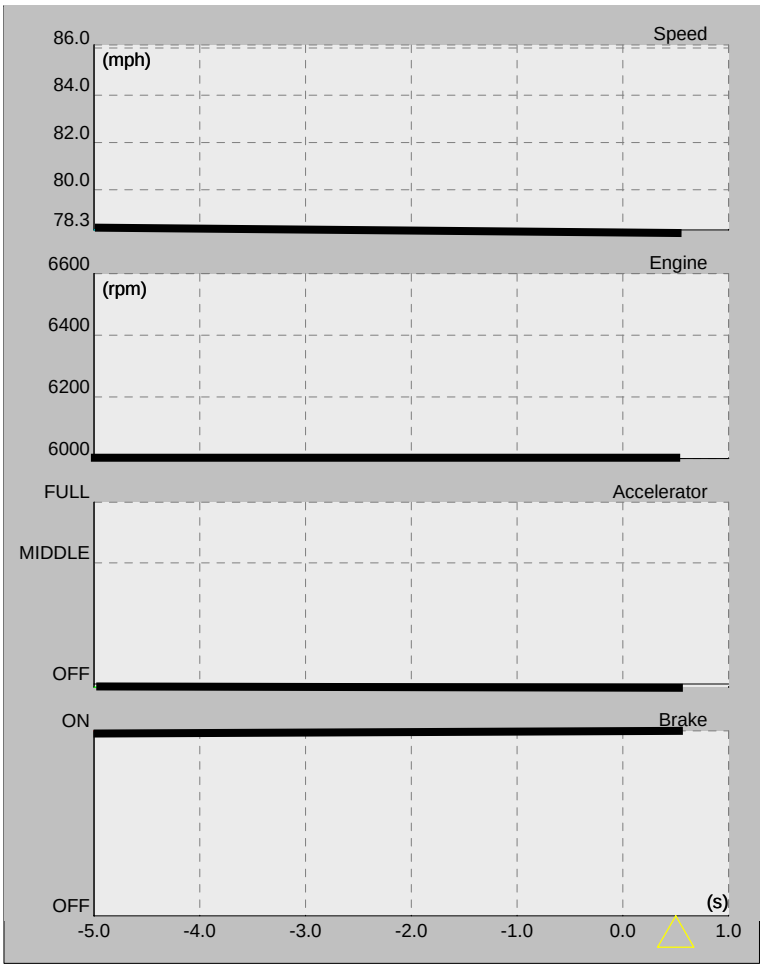
Graph Data

Past max. DeltaV	BANK2

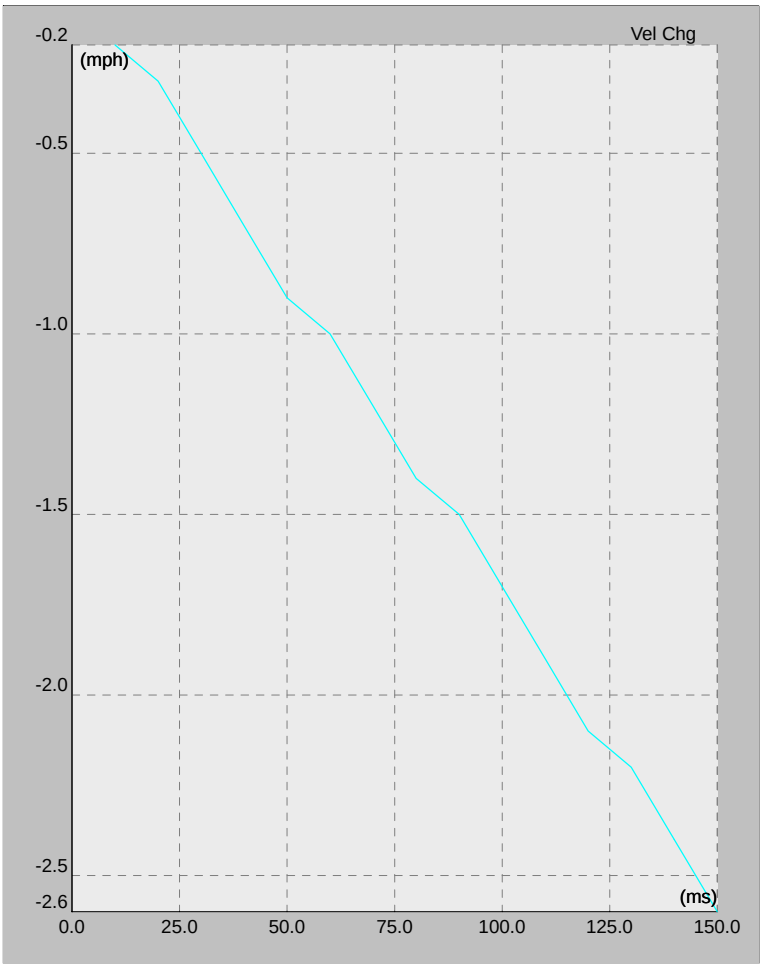
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

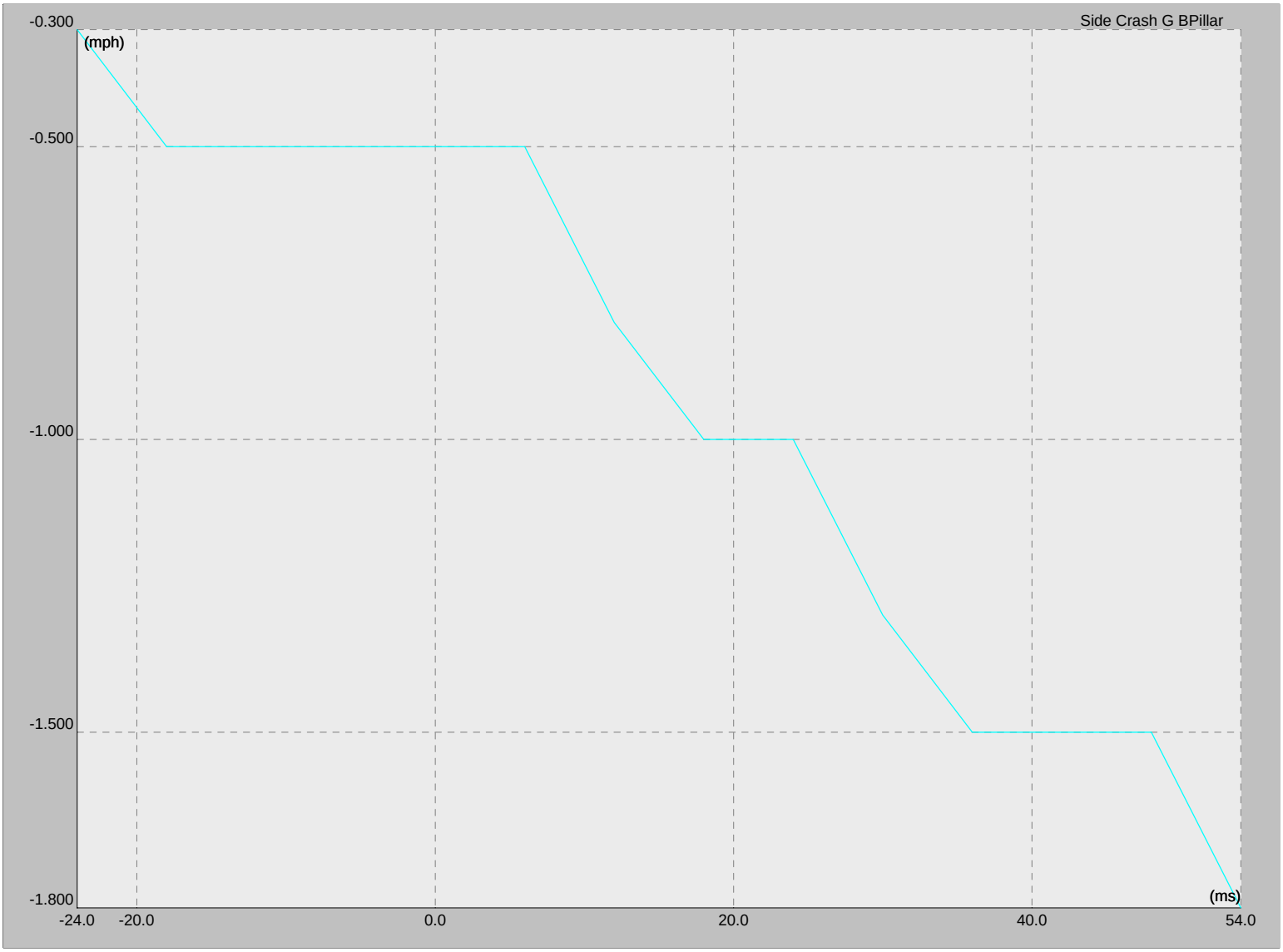
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B4 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.5
-6.0	-0.5
0.0	-0.5
6.0	-0.5
12.0	-0.8
18.0	-1.0
24.0	-1.0
30.0	-1.3
36.0	-1.5
42.0	-1.5
48.0	-1.5
54.0	-1.8

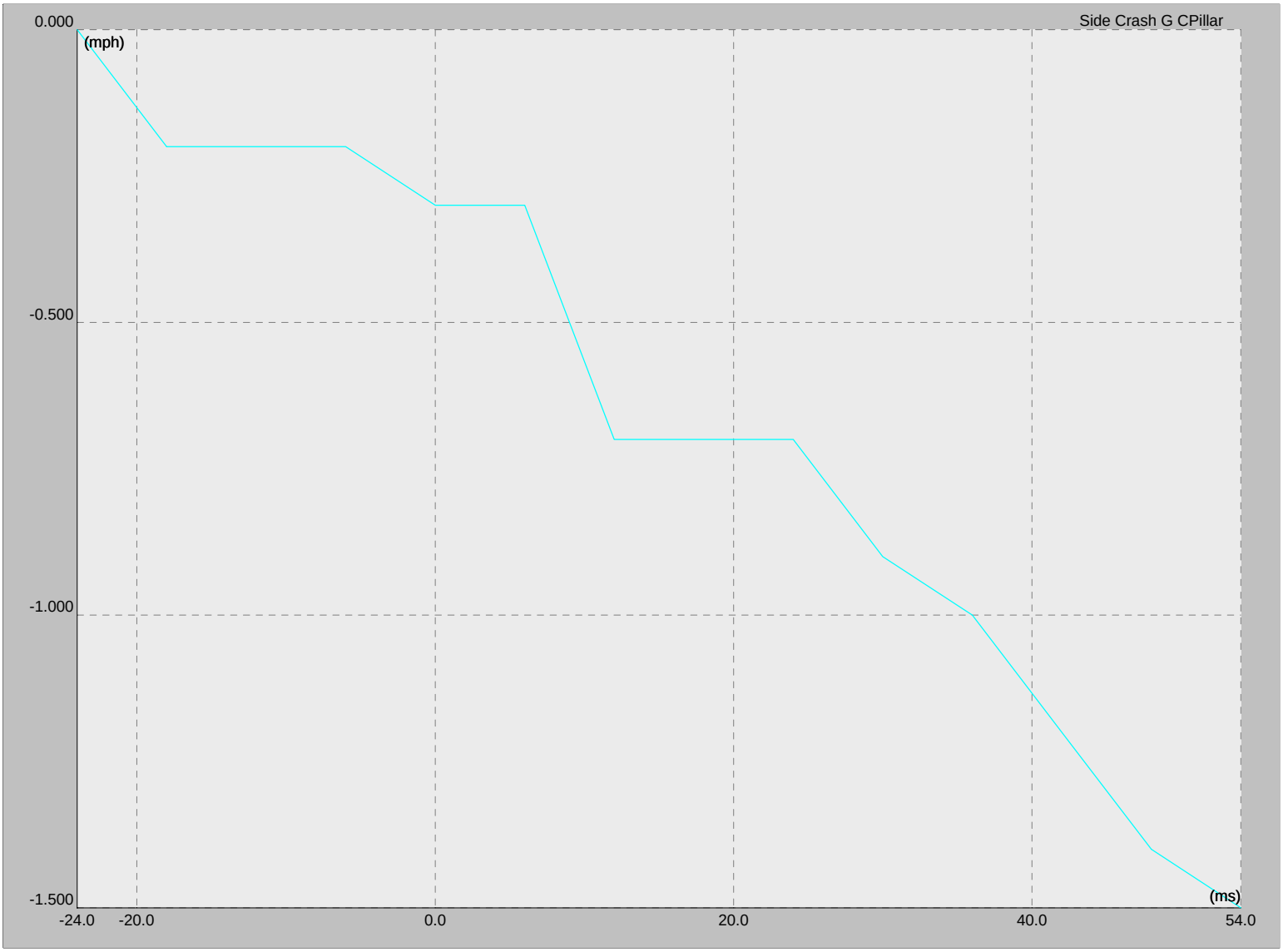
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B4 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	0.0
-18.0	-0.2
-12.0	-0.2
-6.0	-0.2
0.0	-0.3
6.0	-0.3
12.0	-0.7
18.0	-0.7
24.0	-0.7
30.0	-0.9
36.0	-1.0
42.0	-1.2
48.0	-1.4
54.0	-1.5

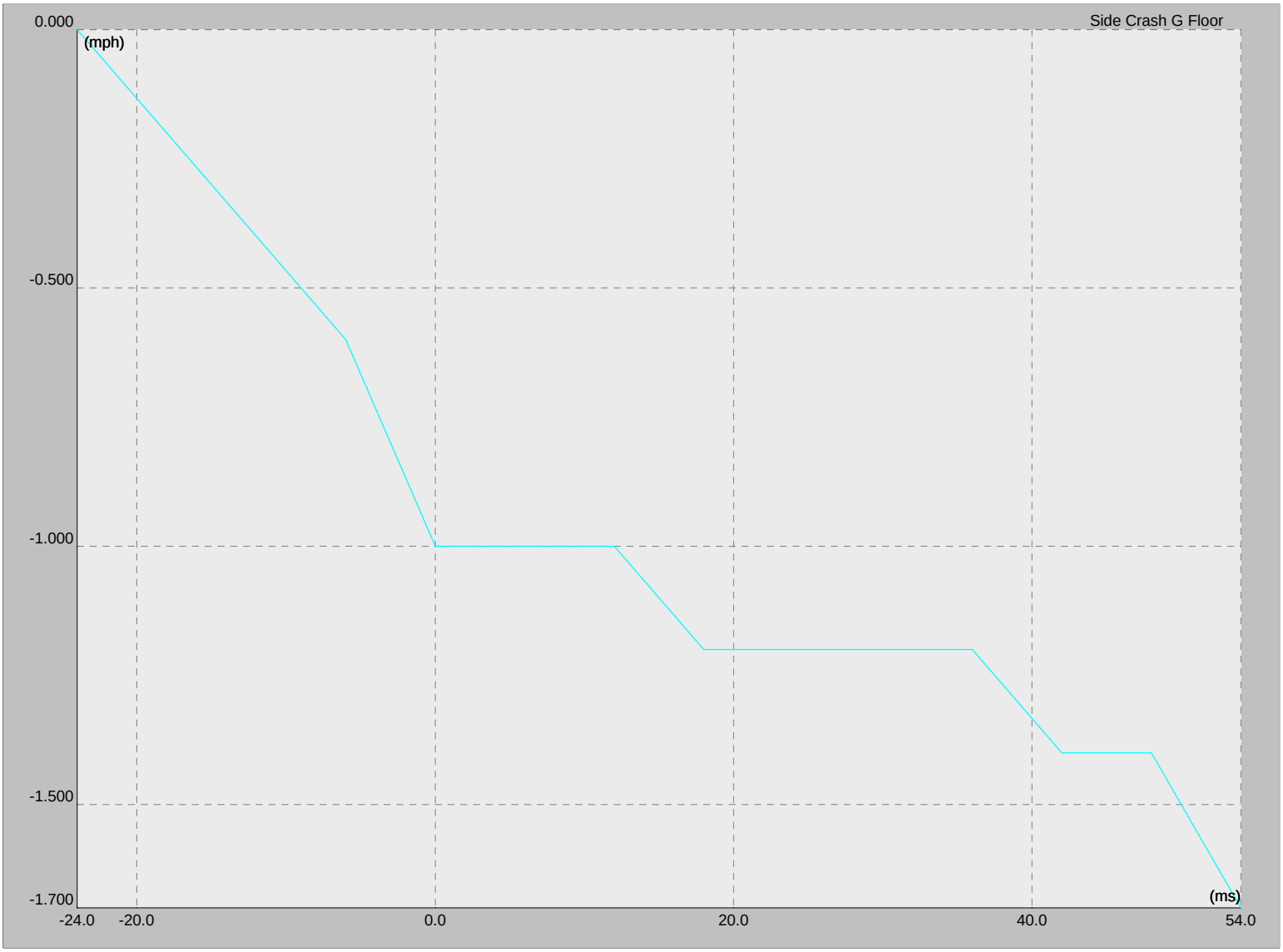
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B4 Complete EDR Image**

INVESTIGATION DATE	[redacted]
INVESTIGATOR	GodfreyFreeman
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corrolla
MODEL YEAR	2010
VIN NUMBER	2T1BU4EE8AC [redacted]
Tool Version(download)	Ver.1.3.1.3
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	0.0
-18.0	-0.2
-12.0	-0.4
-6.0	-0.6
0.0	-1.0
6.0	-1.0
12.0	-1.0
18.0	-1.2
24.0	-1.2
30.0	-1.2
36.0	-1.2
42.0	-1.4
48.0	-1.4
54.0	-1.7

Case B5

Vehicle MY - Model: 2010 Prius

Incident Location: Driveway

Inspection Prompted by: Toyota data alleged an unintended acceleration incident

Incident Synopsis: Pulling into driveway; Struck parked vehicle

Observation: No data was written to the EDR

See Page (N/A)

Case B5 Complete EDR Image

Latest Pre-Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]/2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

System Information

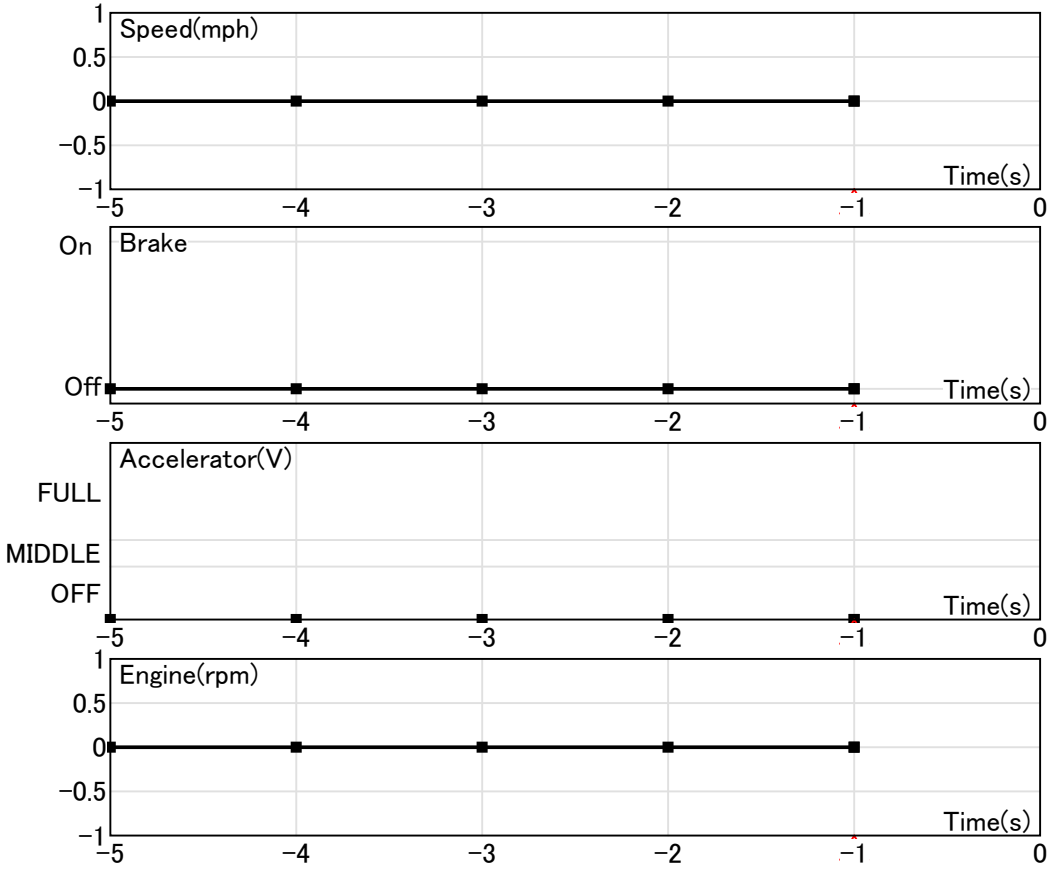
Page No.of Latest PreCrash Data	: Page.0
Time from Previous PreCrash TRG Event	: 0(ms)
Freeze Signal	: UnFreeze
AB Deployment Flag	: NotFired

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: Invalid

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: Invalid



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case B5 Complete EDR Image

Next Most Recent Pre-Crash Page.1

User Data

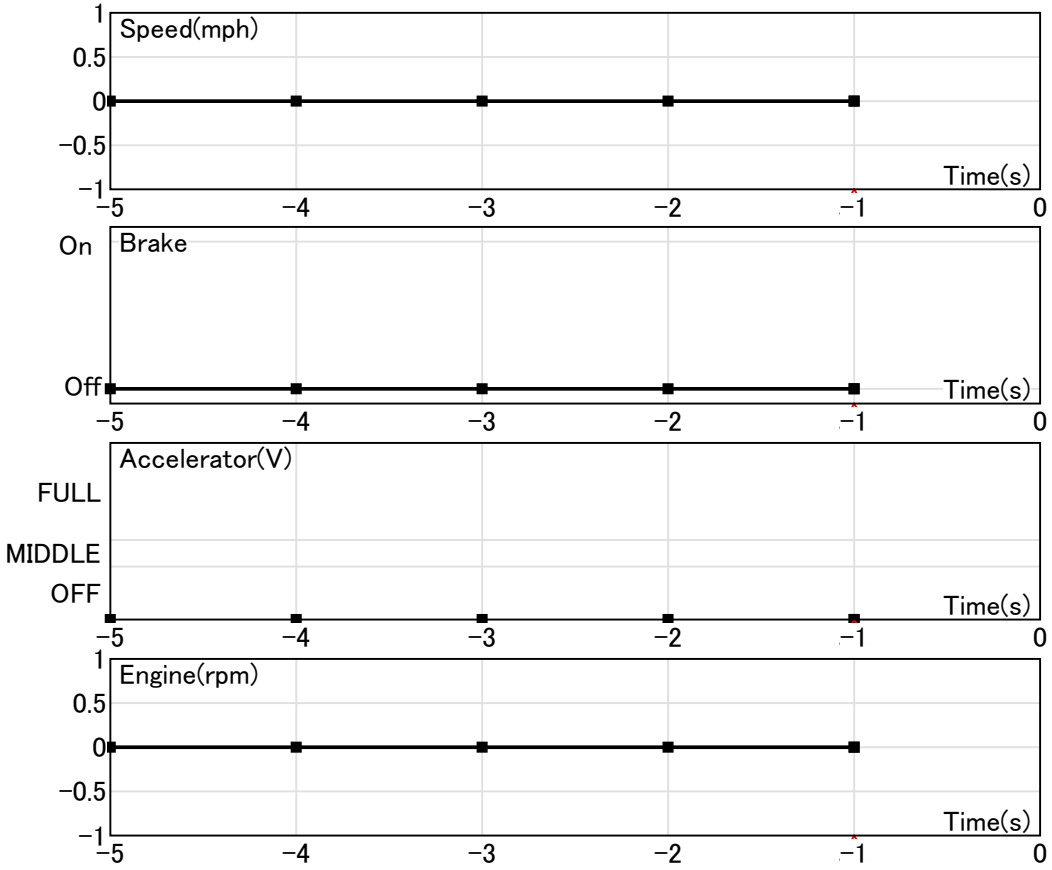
RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

Diag

Diag Code	: 0 0 0 0 0 0 0 0 0 0 0 0
Ignition Cycle	: 0(times)
Lamp on Term	: 0(min.)
Writing Flag for Diag	: Invalid

Occupant

Belt Switch Status Driver	: UnBelted
Belt Switch Status Passenger	: UnBelted
Occupant Detection	: Unoccupied
Seat Position	: FM
Shift Position	: N
PAB Manual Cut Off(N/A)	: (N/A)
R/O CSA-Manual Cut Off(N/A)	: (N/A)
Writing Flag for PreCrash/Occupant	: Invalid



PreCrash Data

Speed	:	0.0	0.0	0.0	0.0	0.0	0.0(mph)
Brake	:	OFF	OFF	OFF	OFF	OFF	OFF
Accelerator	:	0.00	0.00	0.00	0.00	0.00	0.00(V)
		OFF	OFF	OFF	OFF	OFF	OFF
Engine	:	0	0	0	0	0	0(rpm)

Time from Last PreCrash Data : 0(ms) △

Case B5 Complete EDR Image

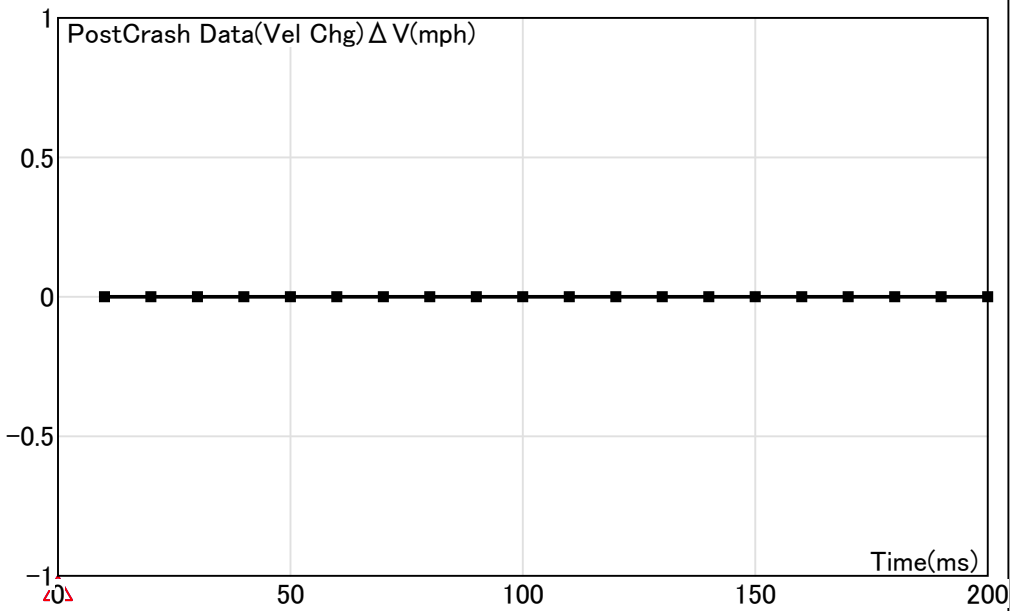
Frontal Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

Frontal Crash Page.0

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case B5 Complete EDR Image

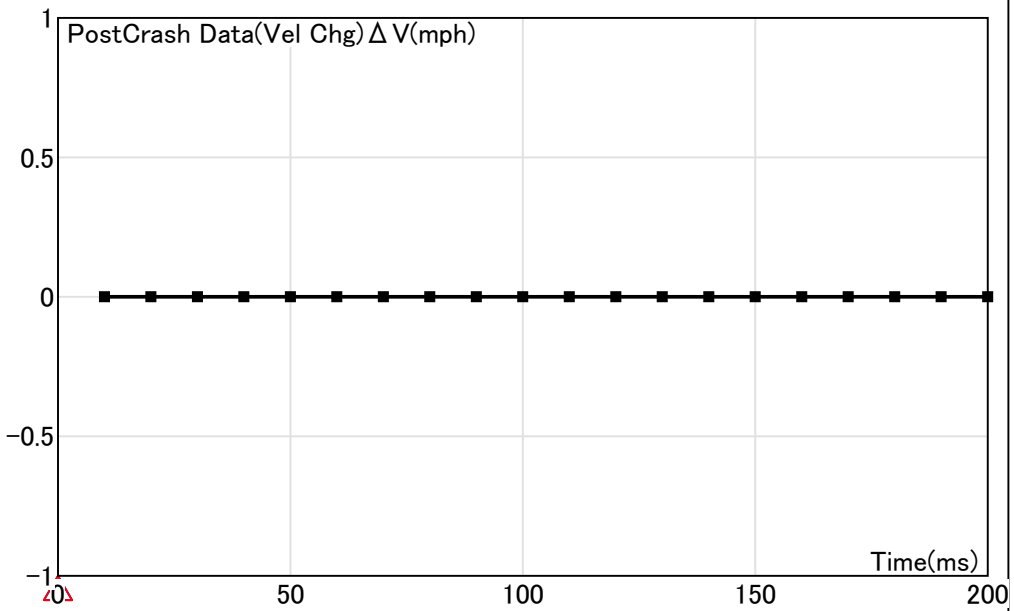
Frontal Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

Frontal Crash Page.1

Max deltaVx for 190ms	: 0.0(mph)
Writing Flag for Gx	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from PreCrash TRG	: 0(ms)
Frontal AB Deployment Time	: 0(ms) △
Pretensioner Deployment Time	: 0(ms) △
Deployment Stage Driver	: NotFired
Deployment Stage Passenger	: NotFired
Writing Flag for Frontal Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	PostCrash Data(Vel Chg)(mph)
10	0.0
20	0.0
30	0.0
40	0.0
50	0.0
60	0.0
70	0.0
80	0.0
90	0.0
100	0.0
110	0.0
120	0.0
130	0.0
140	0.0
150	0.0
160	0.0
170	0.0
180	0.0
190	0.0
200	0.0

Case B5 Complete EDR Image

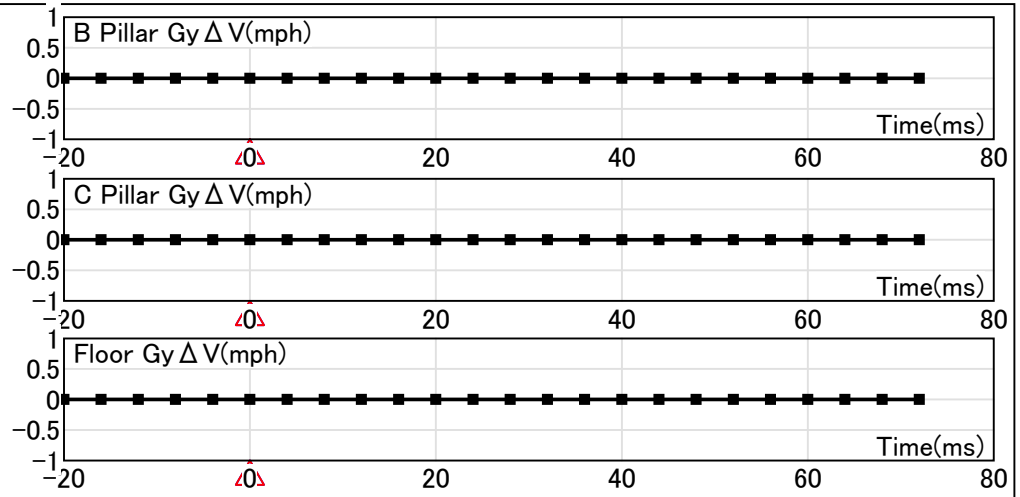
Side Crash Page.0

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

Side Crash Page.0

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

Case B5 Complete EDR Image

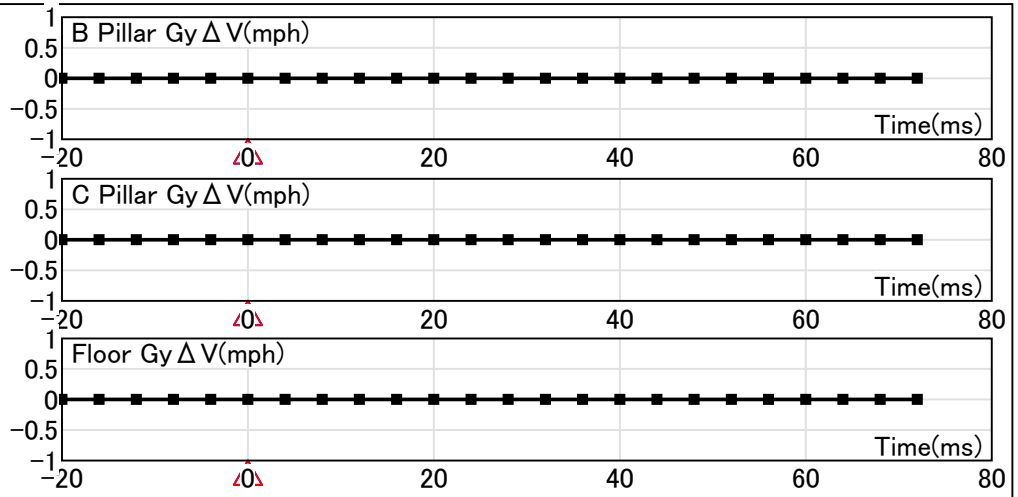
Side Crash Page.1

User Data

RECORDER	: EDR
Investigation Date	: [redacted]2010
Investigator	: JRY
Accident Date	:
Vehicle	: [redacted]Prius
Model Year	: 2010
VIN Number	:
ECU No	: 47080
COMMTYPE	: CAN

Side Crash Page.1

Time from TRG to Initial G	: 0(ms)
Writing Flag for Gy	: Invalid
TRG Counter	: 0(times)
Previous Event	: Frontal
Linked PreCrash Data Page No.	: Page.0
Time from Pre Crash TRG	: 0(ms)
Deployment Time(B-Pillar)	: 0(ms) △
Deployment Time(C-Pillar)	: 0(ms) △
Deployment Side	: Driver'sside
Writing Flag for Side Crash	: Invalid



Post Crash Data(Vel Chg)

Time(ms)	B Pillar Gy(mph)	C Pillar Gy(mph)	Floor Gy(mph)
−20	0.0	0.0	0.0
−16	0.0	0.0	0.0
−12	0.0	0.0	0.0
−8	0.0	0.0	0.0
−4	0.0	0.0	0.0
0	0.0	0.0	0.0
4	0.0	0.0	0.0
8	0.0	0.0	0.0
12	0.0	0.0	0.0
16	0.0	0.0	0.0
20	0.0	0.0	0.0
24	0.0	0.0	0.0
28	0.0	0.0	0.0
32	0.0	0.0	0.0
36	0.0	0.0	0.0
40	0.0	0.0	0.0
44	0.0	0.0	0.0
48	0.0	0.0	0.0
52	0.0	0.0	0.0
56	0.0	0.0	0.0
60	0.0	0.0	0.0
64	0.0	0.0	0.0
68	0.0	0.0	0.0
72	0.0	0.0	0.0

Case B6

Vehicle MY - Model: 2009 Corolla

Incident Location: Roadway / Intersection

Inspection Prompted by: Complainant stated: The last time it occurred, I was stopped at a stop sign, and the engine sped up and forced me into the intersection, where I ran into the side of a pickup. The engine has sped up when I first started the car, and the car was in Park, and my foot on the brake.

Incident Synopsis: While stopped at stop sign, engine sped up, forcing car into intersection; Struck vehicle in traffic;

Observation: No data was written to the EDR

See Page (N/A)

PROTOTYPE READOUT TOOL REPORT

Event Data **Case B6 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Data Table

Data Name	Data
ECU Number	89170-02760
Safing Left ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Left OFF	
Safing Right ON	CentralB CentralC bpImpact cpHighGImpact cpHighGNonImpact cpCCU1YNonImpact cpLowGNonImpact
Safing Right OFF	
Discrimination Left ON	bp cpHighG cpLowG CCU1Y
Discrimination Left OFF	
Discrimination Right ON	bp cpHighG cpLowG CCU1Y
Discrimination Right OFF	
Recorded Ama Side	BothSide(error?)
Deployment judgment Side	BothSide(error?)
Deployment Enabled	ON
NewPage	3 Page
Freeze Signal	UnFreeze
Deployment Time	126 ms
Deployment Stage Driver	Hi
Deployment Stage Passenger	Hi

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B6 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

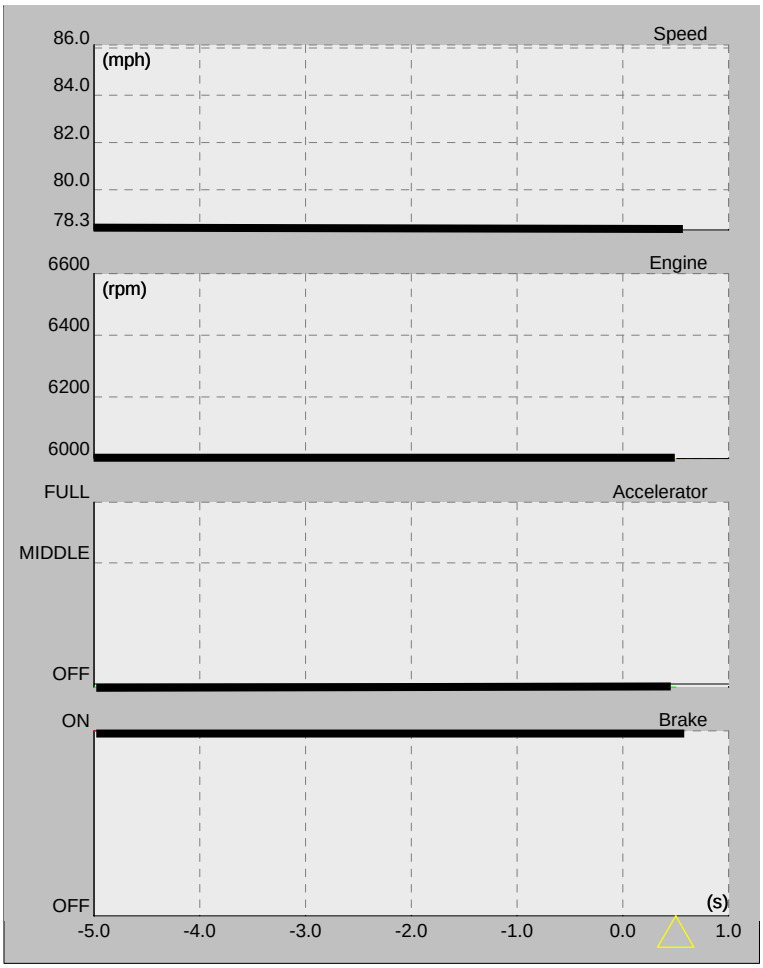
Graph Data

Latest/Frozen	BANK0

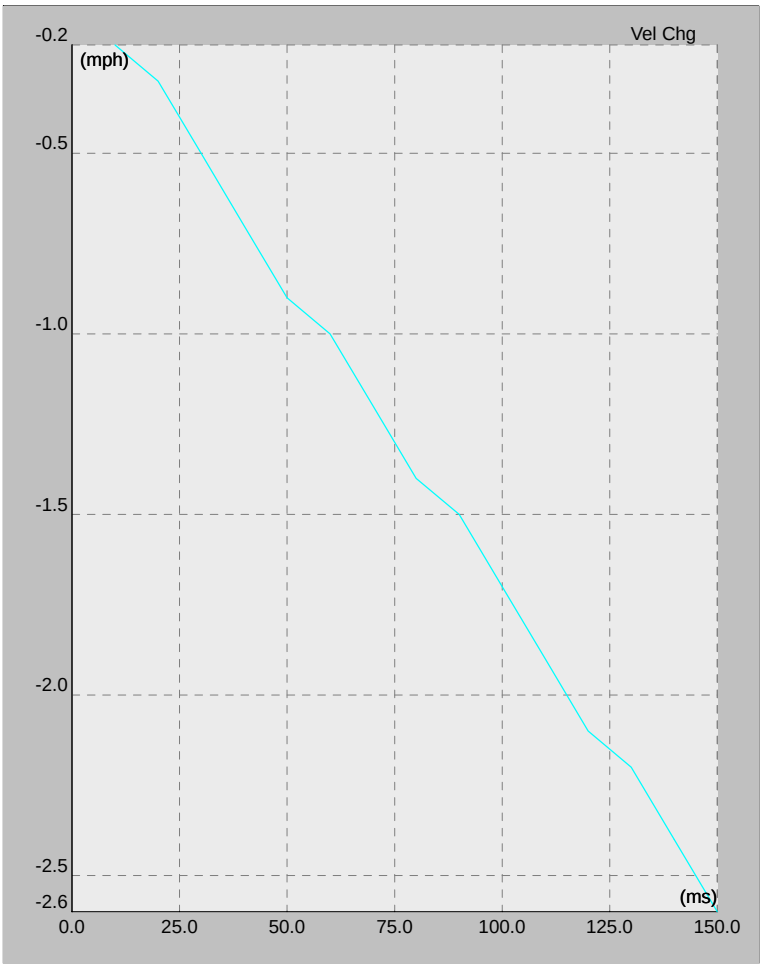
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B6 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

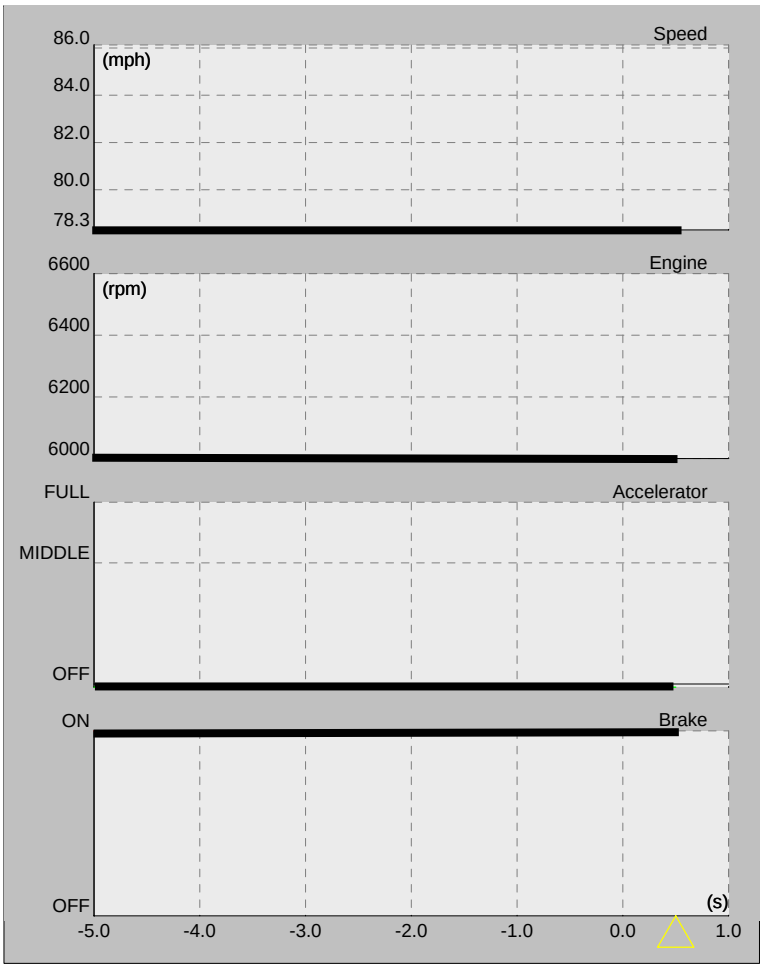
Graph Data

Next most recent	BANK1

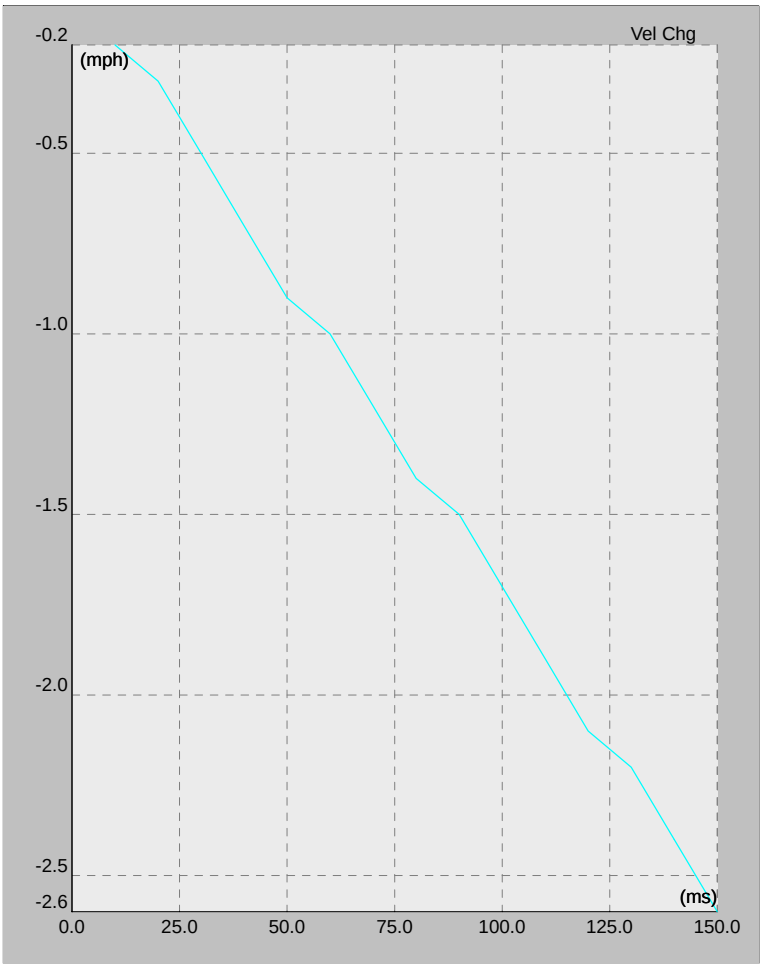
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

PROTOTYPE READOUT TOOL REPORT

Event Data

Case B6 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

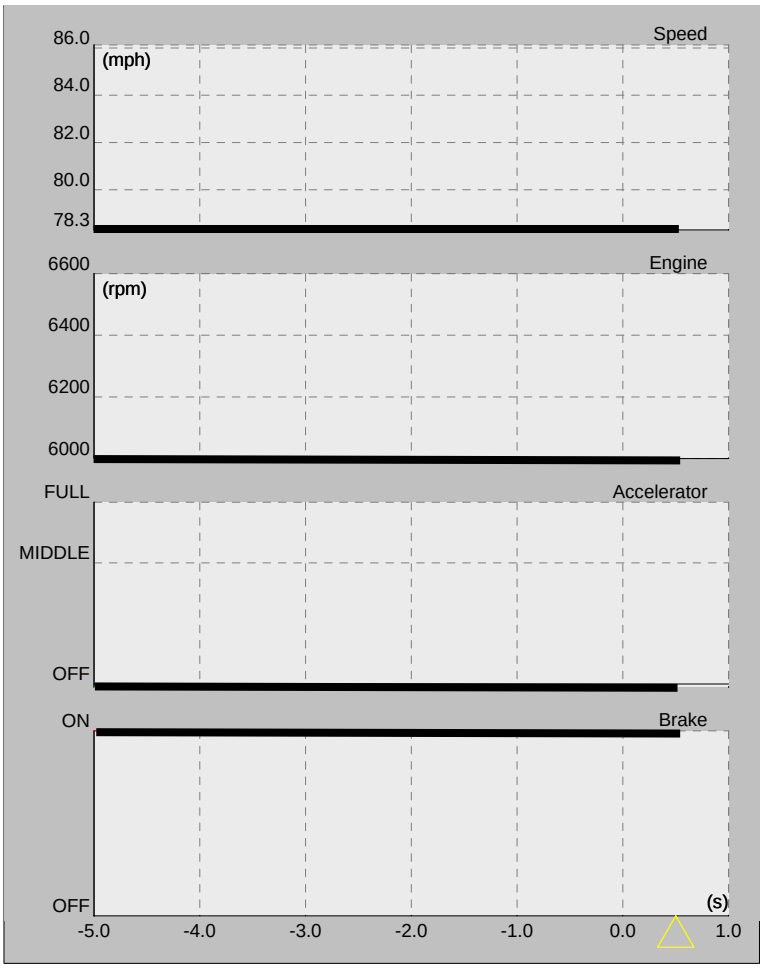
Graph Data

Past max. DeltaV	BANK2

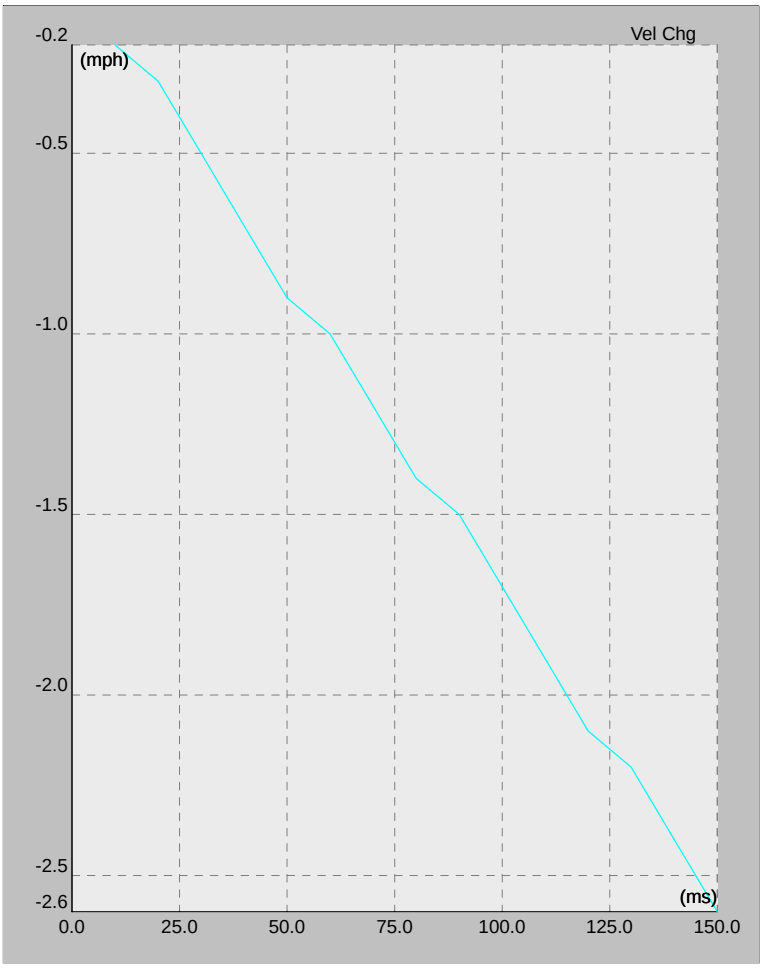
Individual Data

Data Name	Data
Time From Previous Event	5100 ms
Time From Last PreCrash Data	1500 ms
Pre-Crash Data Flag	ON ON ON ON ON ON
Shift Position	P
Seat Position Driver	Undetermined
Belt Switch Status Driver	Invalid
Belt Switch Status Passenger	Invalid
Occupant Detection Passenger	Invalid
PAB-Manual Cut OFF(N/A)	(N/A)
Ignition Cycles	2047 times
Lamp On Term	30705 minutes
Diag Code	FF FF FF FF FF FF FF FF FF FF FF FF
Event counter	0
Writing Flag	Not Recorded

Pre-Crash Data



Post-Crash Data



Pre-Crash Data

s	Speed	Engine	Accelerat	Brake	s	Speed	Engine	Accelerat	Brake
-5.0	78.3	6000	-0.04(FAL	ON	0.5	78.3	6000	-0.04(FAL	ON
-4.0	78.3	6000	-0.04(FAL	ON					
-3.0	78.3	6000	-0.04(FAL	ON					
-2.0	78.3	6000	-0.04(FAL	ON					
-1.0	78.3	6000	-0.04(FAL	ON					

Post-Crash Data

ms	Vel Chg	ms	Vel Chg	ms	Vel Chg
10.0	-0.2	60.0	-1.0	110.0	-1.9
20.0	-0.3	70.0	-1.2	120.0	-2.1
30.0	-0.5	80.0	-1.4	130.0	-2.2
40.0	-0.7	90.0	-1.5	140.0	-2.4
50.0	-0.9	100.0	-1.7	150.0	-2.6

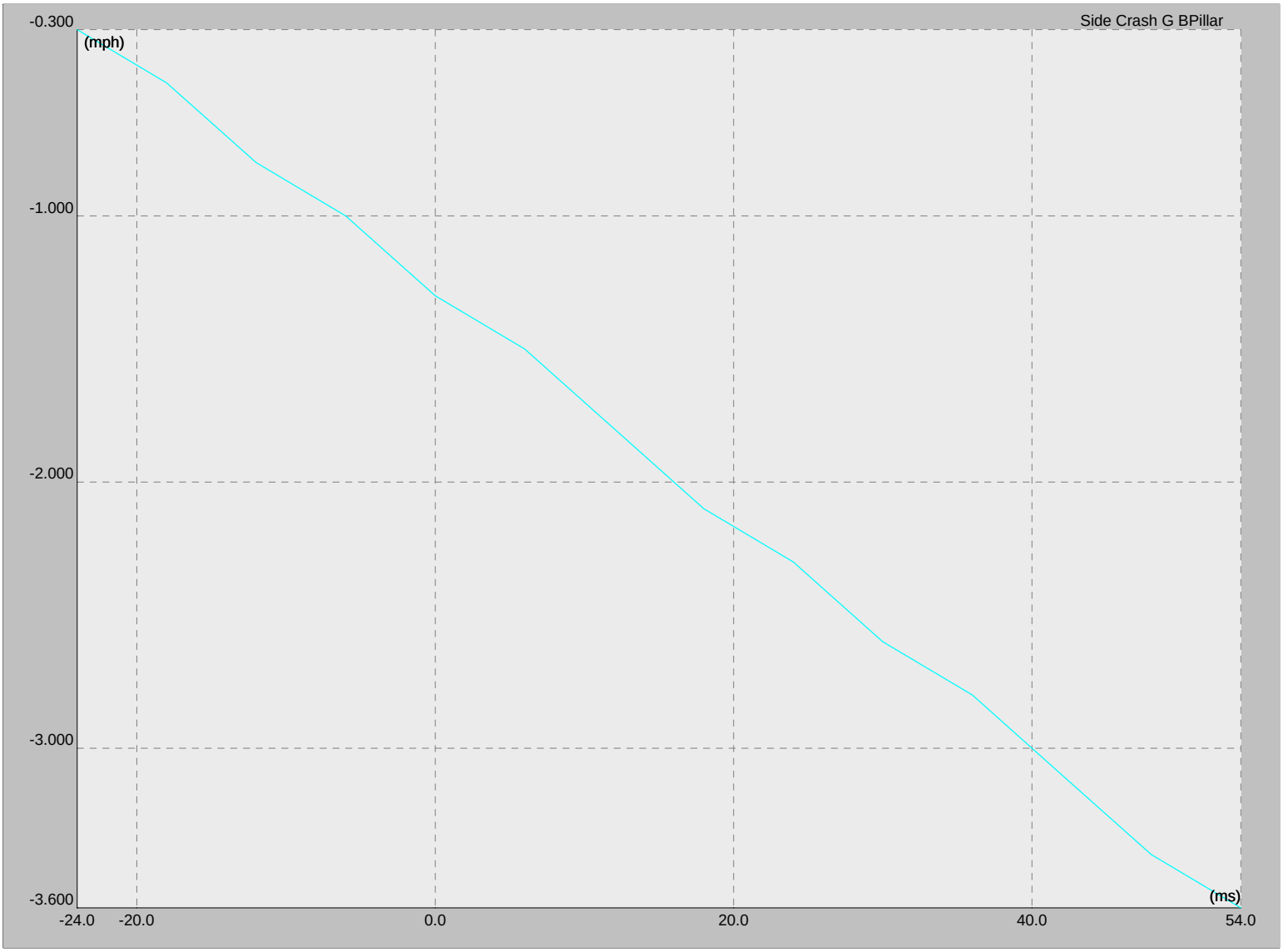
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B6 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G BPillar



Side Crash G BPillar GWave

ms	Side Crash G BPillar
-24.0	-0.3
-18.0	-0.5
-12.0	-0.8
-6.0	-1.0
0.0	-1.3
6.0	-1.5
12.0	-1.8
18.0	-2.1
24.0	-2.3
30.0	-2.6
36.0	-2.8
42.0	-3.1
48.0	-3.4
54.0	-3.6

PROTOTYPE READOUT TOOL REPORT

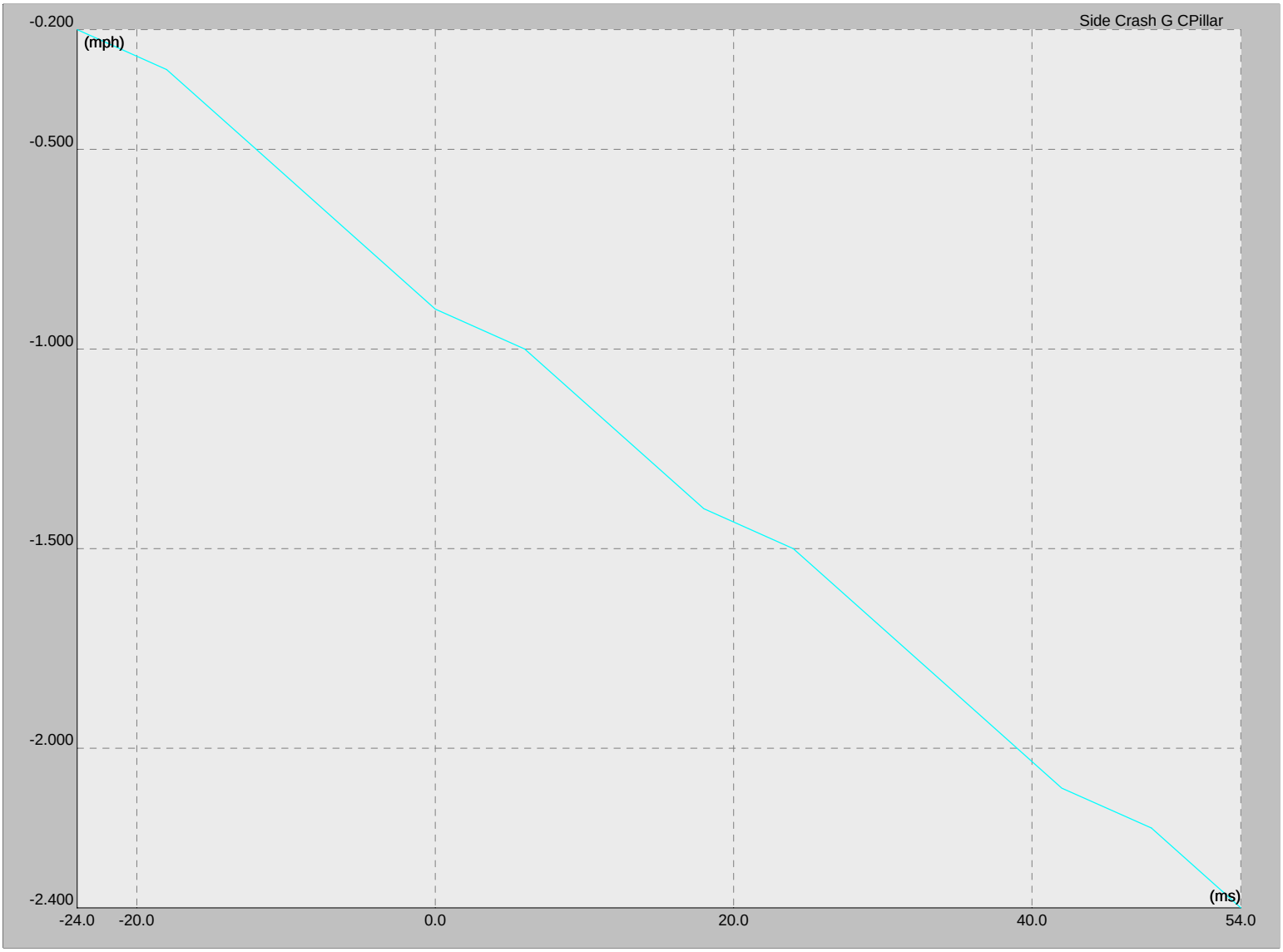
Event Data

Case B6 Complete EDR Image

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z0[redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G CPillar



Side Crash G CPillar GWave

ms	Side Crash G CPillar
-24.0	-0.2
-18.0	-0.3
-12.0	-0.5
-6.0	-0.7
0.0	-0.9
6.0	-1.0
12.0	-1.2
18.0	-1.4
24.0	-1.5
30.0	-1.7
36.0	-1.9
42.0	-2.1
48.0	-2.2
54.0	-2.4

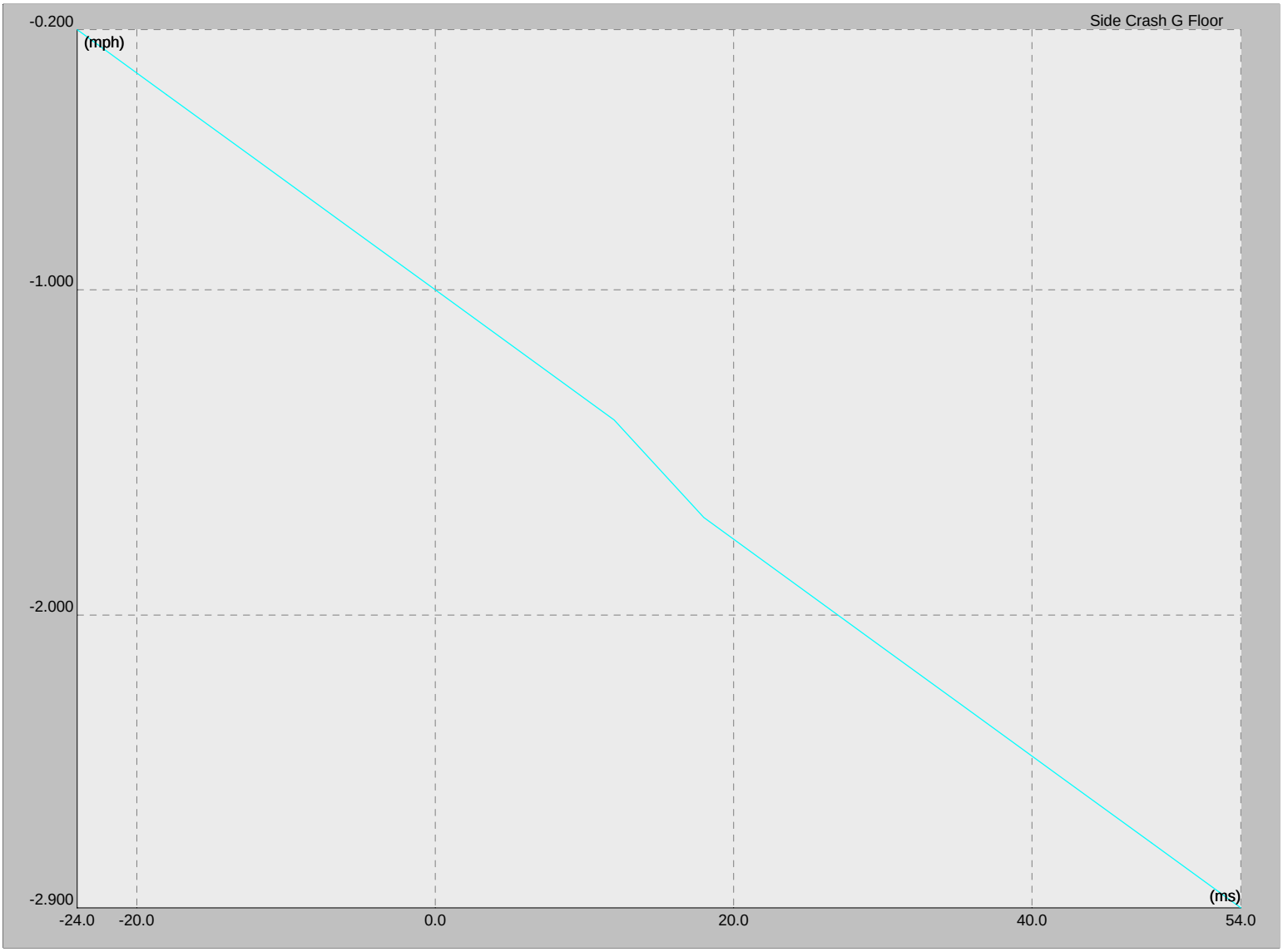
PROTOTYPE READOUT TOOL REPORT

Event Data **Case B6 Complete EDR Image**

INVESTIGATION DATE	[redacted] 2010
INVESTIGATOR	Freeman / Godfrey
ACCIDENT DATE	[redacted] 2010
VEHICLE	Corolla
MODEL YEAR	2009
VIN NUMBER	1nxbu40e79z [redacted]
Tool Version(download)	
Tool Version(display)	Ver.1.3.1.3

Graph Data

Graph Name	Side Crash G Floor



Side Crash G Floor GWave

ms	Side Crash G Floor
-24.0	-0.2
-18.0	-0.4
-12.0	-0.6
-6.0	-0.8
0.0	-1.0
6.0	-1.2
12.0	-1.4
18.0	-1.7
24.0	-1.9
30.0	-2.1
36.0	-2.3
42.0	-2.5
48.0	-2.7
54.0	-2.9